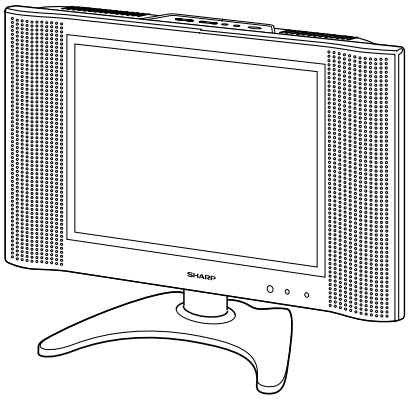
SHARP SERVICE MANUAL

S43A4LC-20B4M



LCD COLOUR TELEVISION

MODEL LC-20B4M

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

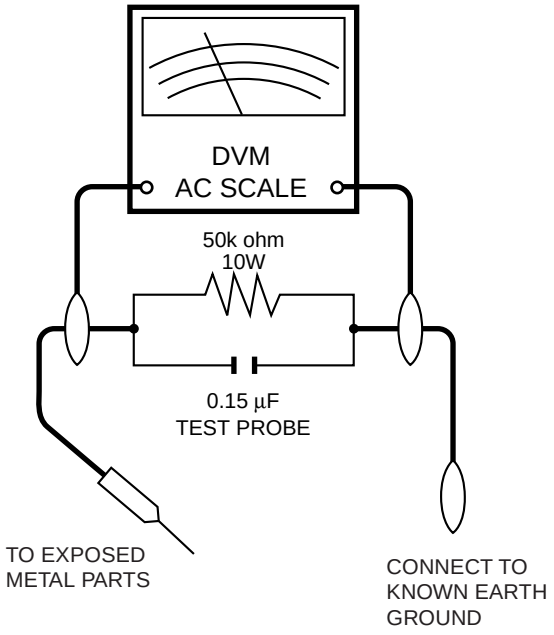
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F3301(2A, 250V), F3302(1.25A, 250V), F6700 (1.25A, 250V), F6701 (1.25A, 250V), F6702 (1.25A, 250V), F6703 (1.25A, 250V) AND F6704 (1.25A, 250V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V peak (this corresponds to 0.5 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the ***Replacement Parts Lists and Schematic Diagrams.***
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

Precautions for using lead-free solder

1 Employing lead-free solder

"All PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.
Example:

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.
As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.
Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.
If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.
When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

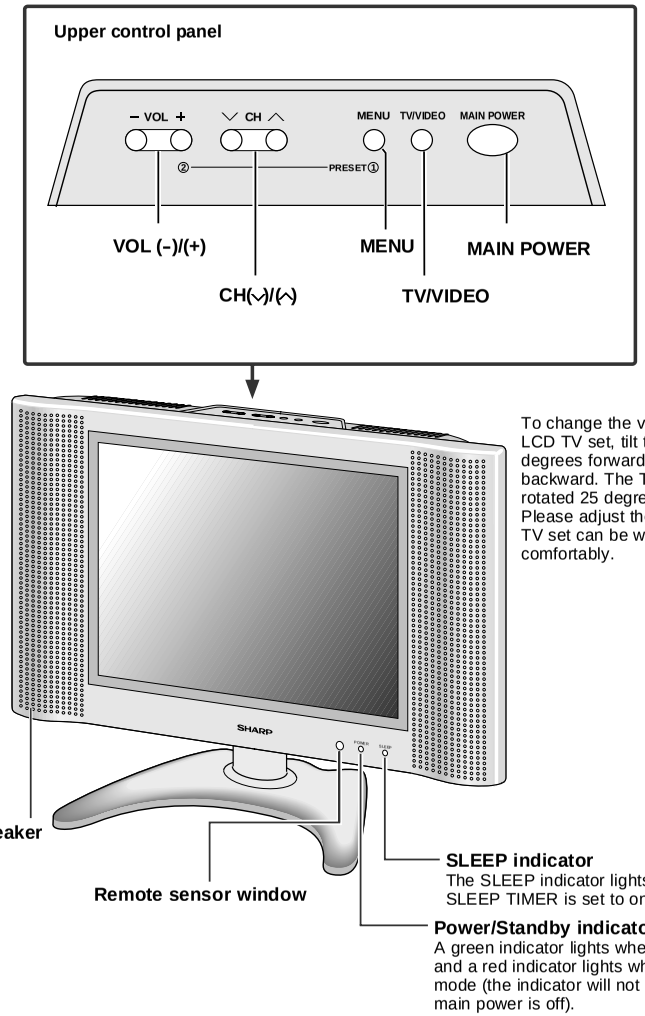
Part No,	★	Description		Code
ZHNDAi123250E	J	ϕ0.3mm	250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm	500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm	1kg(1roll)	BM

SPECIFICATIONS

ITEMS \ MODEL		LC-20B4M
LCD panel		19.7" (50 cm) Advanced Super View & BLACK TFT LCD
Number of dots		921,600 dots VGA
Video colour systems		World multi system
TV FUNCTION	TV Standard	I/DK/M/BG
	TV Tuning System	Auto preset tuning
	STEREO/BILINGUAL	NICAM-BG, I, DK/IGR-BG
	Universal R/C for TV only	Yes
	AUTO PRESET	Yes
	CATV	S1~S41 ch. Hyper Band
4-LINE DIGITAL COMB FILTER		Yes
Brightness		430 cd/m^2
Lamp life		60,000 hours
Viewing angles		H: 170° V: 170°
Audio output		2.5 W × 2
Speakers		5 cm ø, 2 pcs.
Terminals	AV1	Composite Video, S-Video, Audio
	AV2 IN/OUT	Composite Video/Audio
	Component	Y, P_B, P_R/Audio
Headphone jack		3.5 mm ø jack (Rear)
OSD LANGUAGE		English/Chinese/Arabic
Power requirement		DC 13V, AC10-240V, 50/60Hz
Weight		8.7 kg w/o accessories
Accessories		Wireless Remote Control, Batteries, Cable clamps, AC adapter, AC cord, Operation manual, Antenna cable

■ As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Main unit (front view)



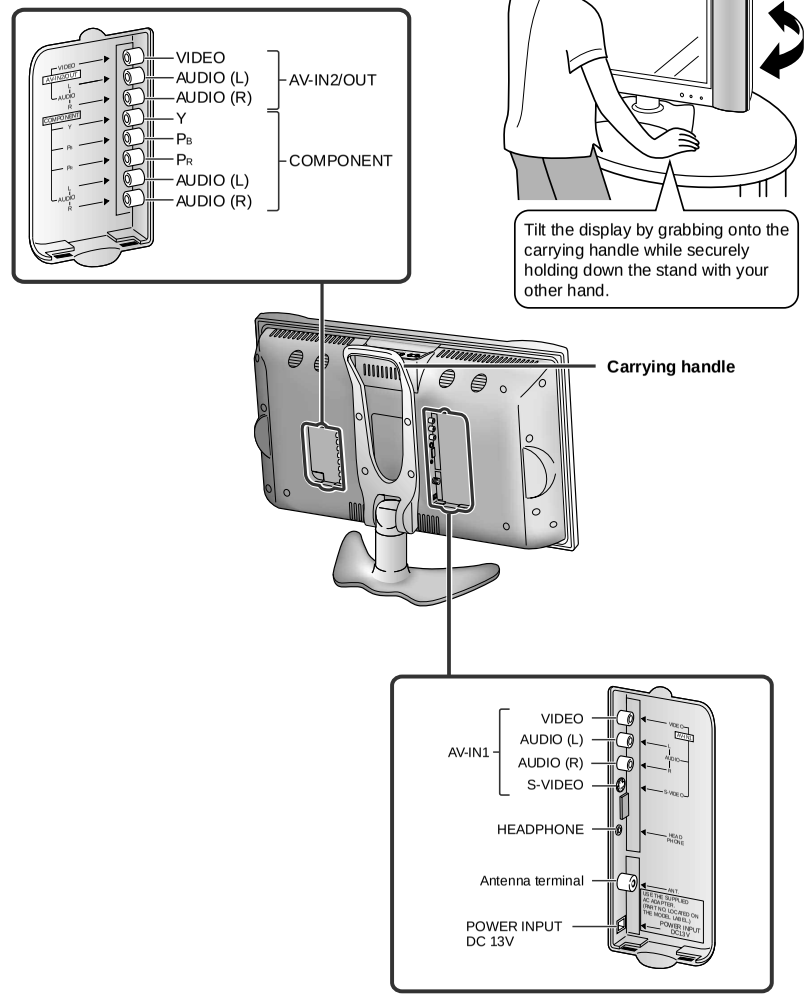
To change the vertical angle of the LCD TV set, tilt the screen up to 5 degrees forward or 10 degrees backward. The TV set can also be rotated 25 degrees to right and left. Please adjust the angle so that the TV set can be watched most comfortably.

* The examples used throughout this manual are based on the LC-20B4M model.

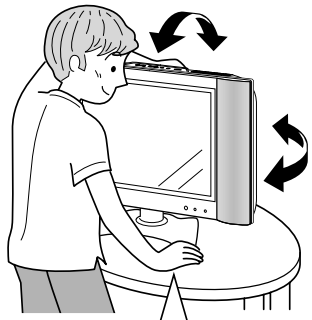
Note:

- **TV/VIDEO**, **CH (∨)/(∧)**, and **VOL (–)/(+)** on the main unit have the same functions as the same buttons on the remote control. Fundamentally, this operation manual provides a description based on operation with the remote control.

Main unit (rear view)

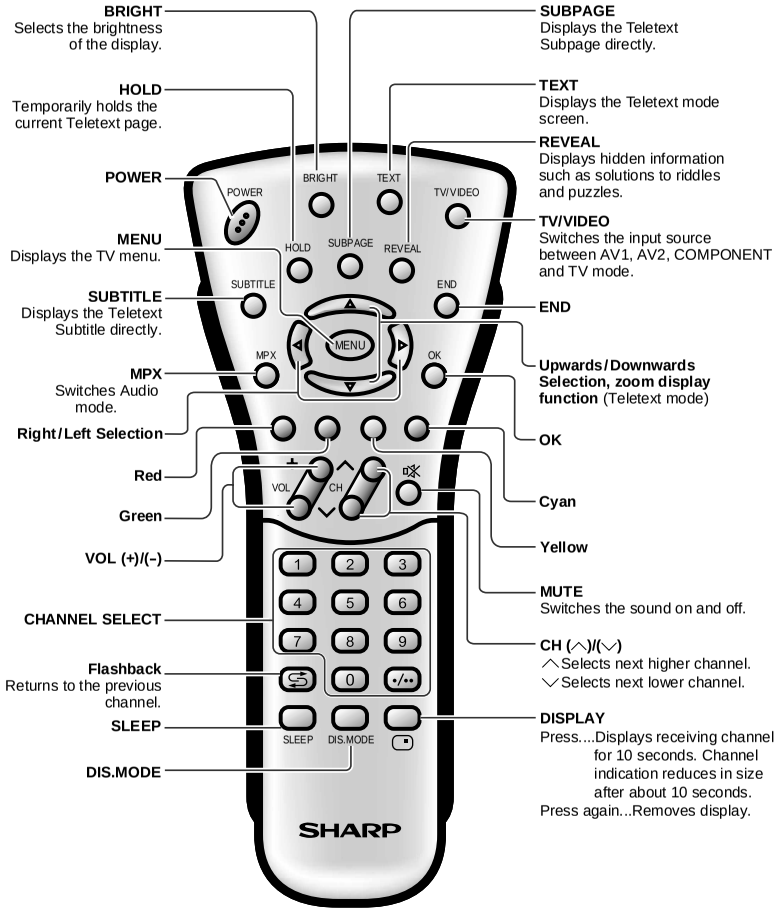


■ How to adjust the angle



Tilt the display by grabbing onto the carrying handle while securely holding down the stand with your other hand.

Remote control



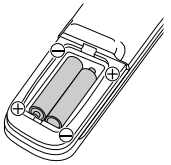
Batteries for Remote Control

Before using the LCD TV set for the first time, install two (“AAA” size, UM/SUM-4) batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new (“AAA” size, UM/SUM-4) batteries.

1 Open the battery cover.

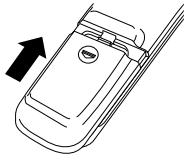
■ Slide the cover while pressing the (▼) part.

2 Insert two (“AAA” size, UM/SUM-4) batteries.



■ Position the positive and negative ends of the batteries as indicated in the compartment.

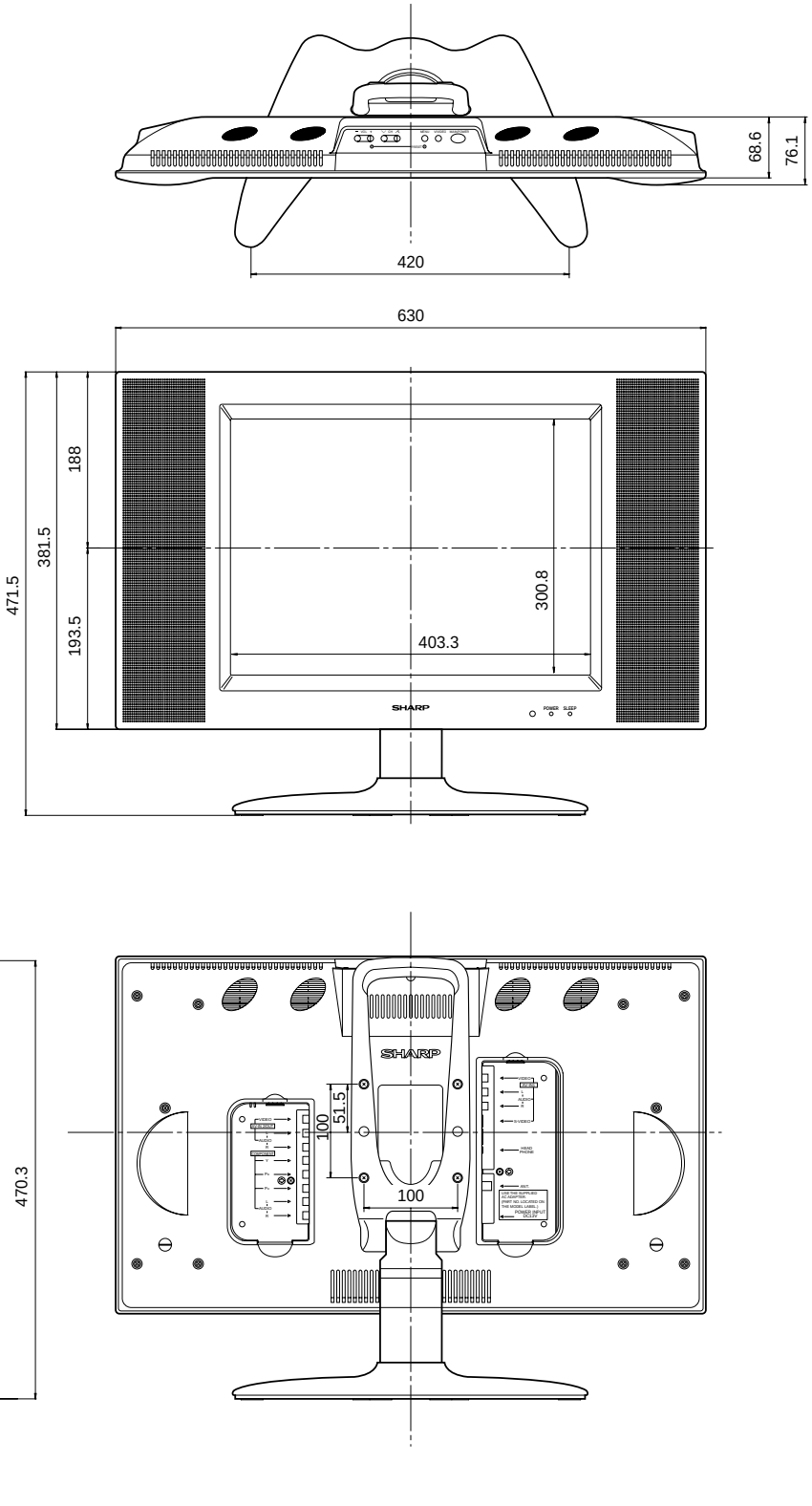
3 Close the battery cover.



■ Engage the claw on the cover into the battery housing and slide shut.

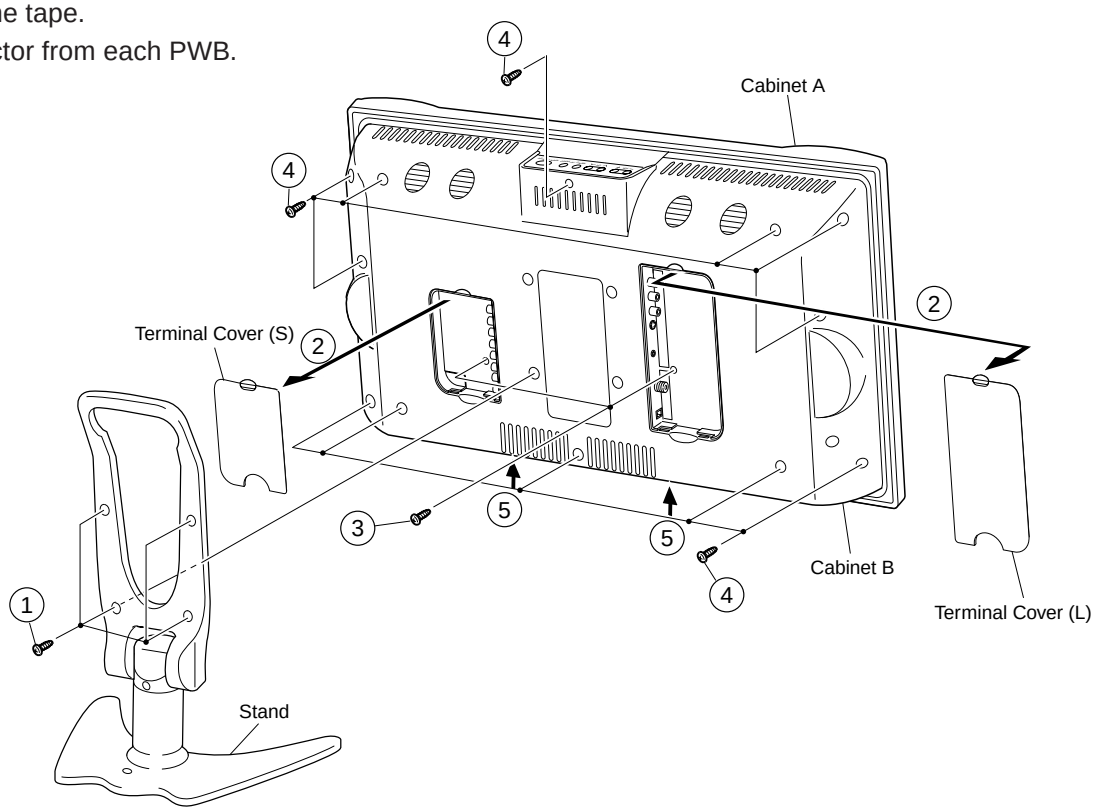
DIMENSIONS

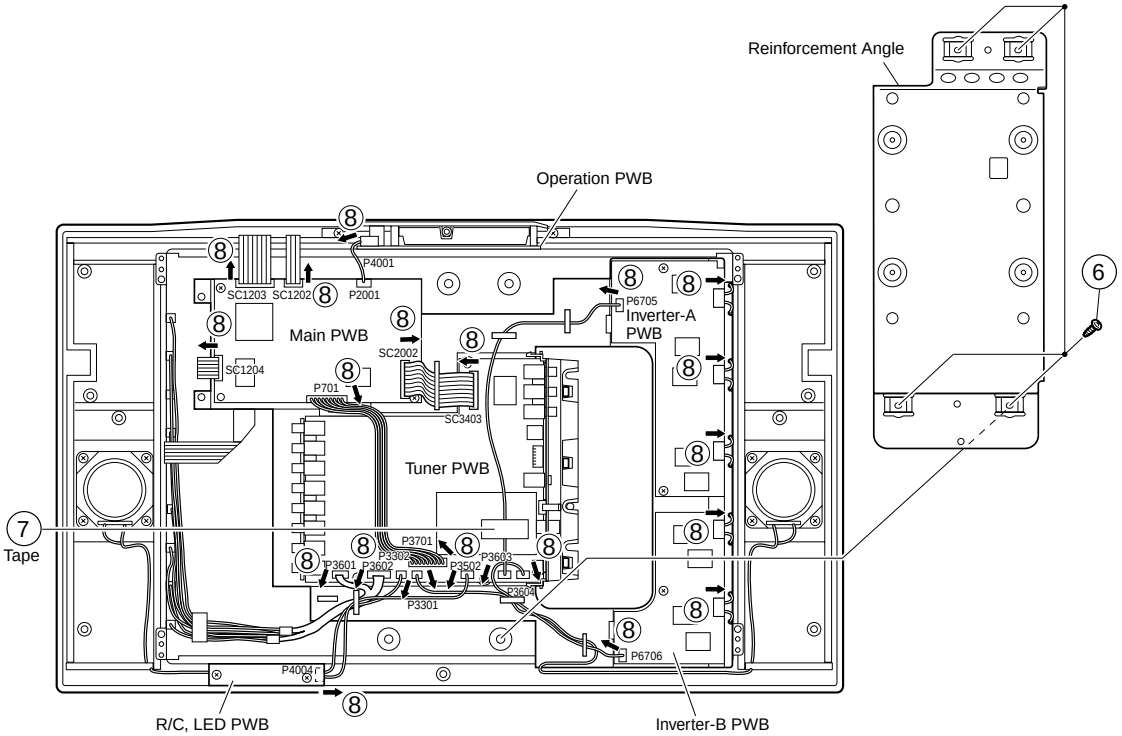
Unit: mm



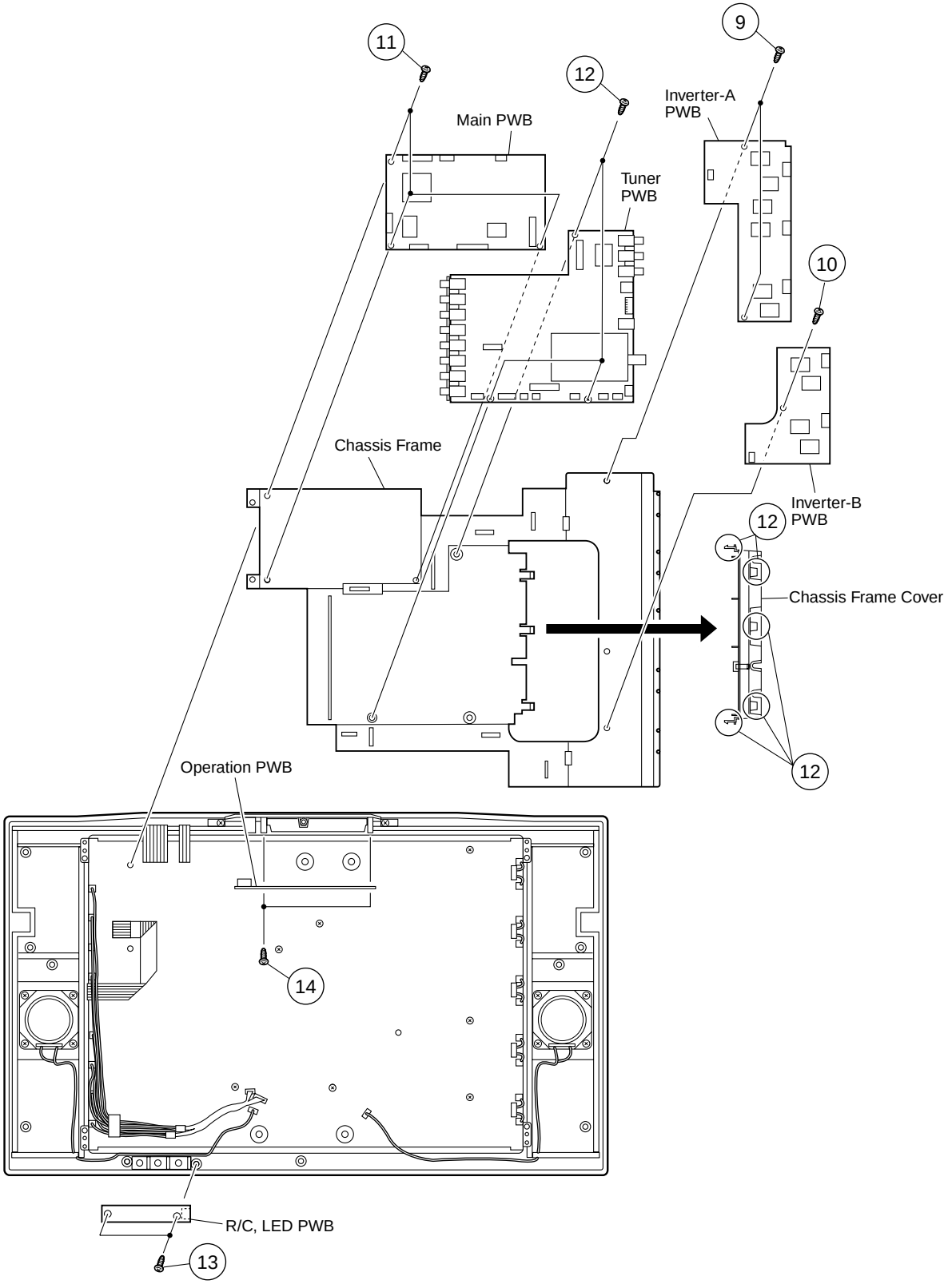
REMOVING OF MAJOR PARTS

1. Remove the stand fixing screws (4 pcs.).
2. Remove the two terminal covers.
3. Remove the terminal section fixing screws (2 pcs.).
4. Remove the cabinet B fixing screws (12 pcs.).
5. Remove the cabinet B after opening from the direction of an arrow.
6. Remove the reinforcement angle fixing screws (4 pcs.).
7. Release peel off the tape.
8. Detach the connector from each PWB.



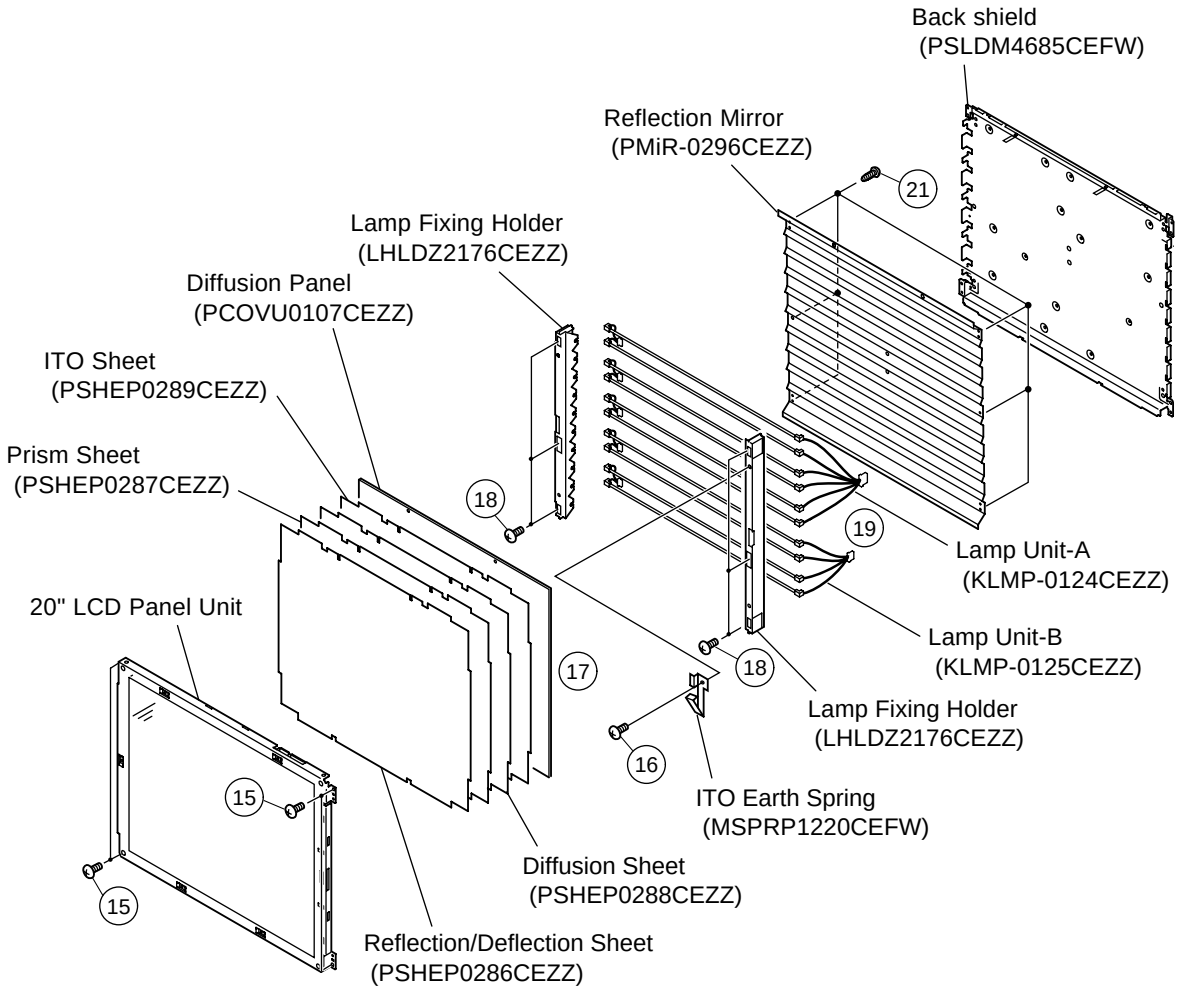


9. Remove the inverter-A PWB fixing screws (2 pcs.).
10. Remove the inverter-B PWB fixing screw (1 pc.).
11. Remove the main PWB fixing screws (3 pcs.).
12. Remove the tuner PWB fixing screws (3 pcs.) and detach the chassis frame cover fixing hooks.
13. Remove the R/C, LED PWB fixing screws (2 pcs.).
14. Remove the operation PWB fixing screws (2 pcs.).



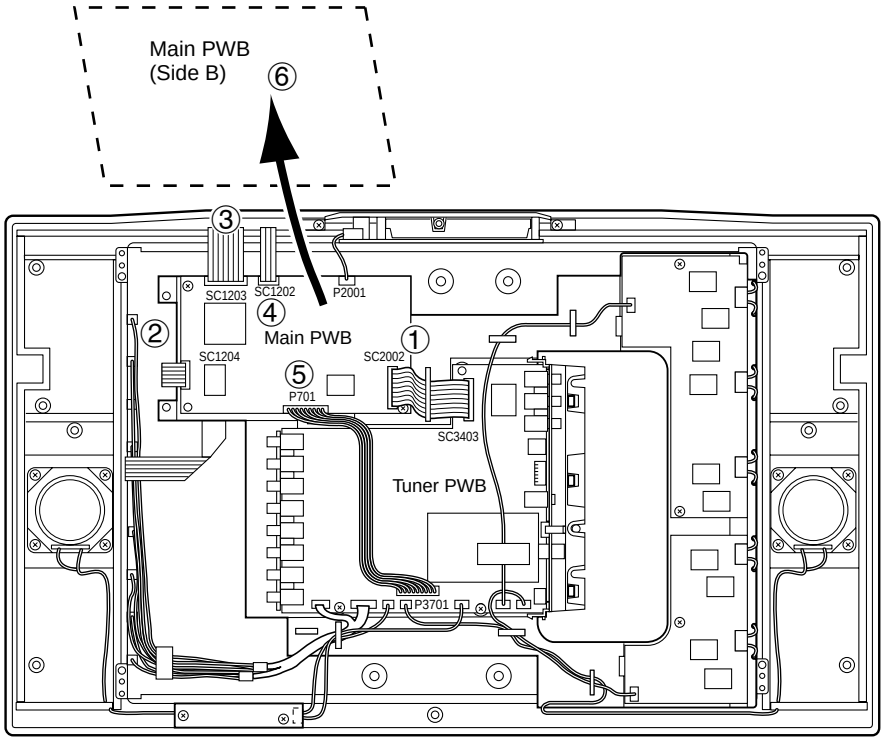
- Precautions in handling the LCD panels
  1. Work in a clean room (with humidities below 50%).
  2. Be sure to wear an anti-static armband.
  3. Handle the panels on an electro-conductive mat.
  4. Be careful not to fall, shake and shock the panels.

15. Remove the LCD panel unit fixing screws (4 pcs.).
16. Remove the ITO earth spring fixing screw (1 pc.).
17. Remove the reflection/deflection, prism, diffusion, ITO sheets and diffusion panel.
18. Remove the lamp fixing holder fixing screws (6 pcs.).
19. Detach the lamp unit-A/B.
20. Remove the reflection mirror fixing screws. (6 pcs.).



Precautions at the time of the side B(back) service of digital unit.

1. Remove only SC2002 of the FFC for connection between Main unit (SC2002) and Tuner unit(SC3403), and connect the extended cable (QCNW-A556WJZZ) for service.
2. Remove the FFC for connection between Main unit (SC1204) and LCD panel unit, and connect the extended cable (QCNW-A553WJZZ) for service.
3. Remove the FFC for connection between Main unit (SC1203) and LCD panel unit, and connect the extended cable (QCNW-A556WJZZ) for service.
4. Remove the FFC for connection between Main unit (SC1202) and LCD panel unit, and connect the extended cable (QCNW-A555WJZZ) for service.
5. Remove only P701 of the Connecting Cord for connection between Main unit (P701) and Tuner unit (P3701), and connect the extended cable (QCNW-B194WJZZ) for service.
6. Remove the main unit fixing screws (3 pcs.), a substrate is reversed.



Step	Part No.	Description
1	QCNW-A556WJZZ	Extension Cable 50-pin Main (SC2002)-Tuner (SC3403)
2	QCNW-A553WJZZ	Extension Cable 30-pin Main (SC1204)-LCD Panel
3	QCNW-A556WJZZ	Extension Cable 50-pin Main (SC1203)-LCD Panel
4	QCNW-A555WJZZ	Extension Cable 20-pin Main (SC1202)-LCD Panel
5	QCNW-B194WJZZ	Extension Cable 12-pin Main (P701)-Tuner (P3701)

ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

Preparation for Adjustments

Use the exclusive-use AC adapter or stable DC power supply.

AC adapter: UADP-0241CEPZ

DC power supply: 13 ± 0.5V 5.4A

1. Adjustment Procedure

1-1. Adjusting the checker

Turning on the power (initialization) → Setting the model and size in inches → Transferring the model-specified data to the E^2PROM (I^2C) → Calling the adjustment process mode → Starting the adjustment (+B adjustment)

1-2. Adjusting the finish process

Reassembling the set → Turning on the power → Calling the adjustment process mode (using the remote controller) → Adjusting the counter bias, TV contrast and white balance

2. Calling the MAIN adjustment process mode

There are the following two ways to choose from.

- Set the Pin (81) (KEY4) or Pin (82) (KEY5) of IC2001 (microprocessor) to "L", turn on the power.
- For servicing, hold down the "TV/VIDEO" and "MENU" keys at once, and turn on the "POWER" switch. (Make sure the process mode "K" appears at the top left of the screen.) Then press the "CH (∨)" and "VOL (–)" keys at once. (Make sure the adjustment process mode screen shows up.) To quit this mode, turn off the power. (Or turn off the "POWER" switch or use the remote controller's "OFF" key.)

3. Using the keys for the adjustment process

Selecting a reception channel

- Using the "CH (∧)/(∨)" key, turn up and down reception (broadcasting) channels.
  Just click on the key, and channels are selected on by one.
  Hold down the key, and the next receivable channel is searched up and down.
- Adjustment items
  Adjust each of the items by using the "MENU", "CURSOR UP/DOWN" and "VOL (+)/(–)" keys (on the set or on the remote controller).
- Select an adjustment item using the "CURSOR UP/DOWN" key.
- An adjustment item is toggled on and off by activating the MENU SELECT key (next item).
  Let's suppose that the item at the bottom of a page is now selected. When the "MENU" key is activated here, the item at the top of the next page will be selected.

4. Initialization

4-1. Set pins (81) and (82) of IC2001 (microprocessor) to GND. Turn on the power.

4-2. A model number is automatically selected. Make sure "A640M" is selected.

4-3. Select the inch size (20).

5. Adjustment

5-1. +B adjustment (R3714 Variable resistor)

1) Receive the colour bar signal.

2) Adjust the voltage at pin (4) of P3701 to 5.00 ± 0.02 V.

Note: The 5.0 V level is used as reference for all the line voltages. Make this adjustment as precisely as possible.

5-2. Counter bias adjustment: COM BIAS on page 2

Adjust the "COM BIAS" setting until the contrast gets optimum (the black portion blackest). The adjustment guideline is around 98.

5-3. TAMP adjustment

1) Feed the colour bar pattern signal.

2) See if the "Y" reading on adjustment process page 2 is within the range shown below. If not, adjust the "NTSC TAMP" setting to bring the "Y" reading within the specified range.

Model	LC20B4M
Adjustment value	187~202

3) If the "NTSC TAMP" setting has been readjusted, write down its new setting in the "PAL TAMP" and "SECAM TAMP" items manually.

(Page 2 of adjustment process OSD)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0		2																									
1		▶	C	O	M		B	I	A	S															9	8	
2			T	A	M	P		L																1	8	7	
3			Y		D	A	T	A																1	9	8	
4			T	A	M	P		H																2	0	2	
5			N	T	S	C		T	A	M	P														2	6	
6			P	A	L		T	A	M	P															2	6	
7			S	E	C	A	M		T	A	M	P													2	6	

Y Data
(White 75%)

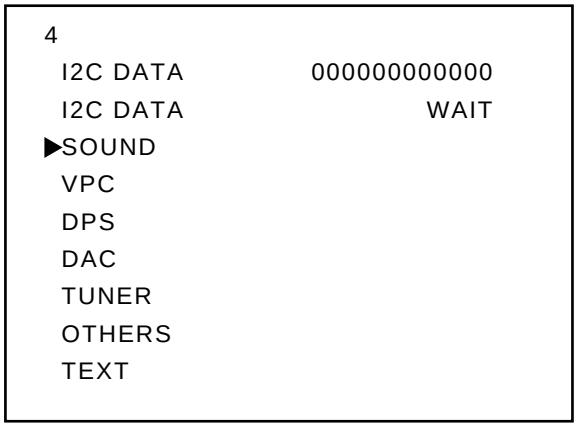
5-4. White balance adjustment

1) Feed the monoscope pattern signal.

2) Adjust the "RCUTOFF" and "BCUTOFF" settings on adjustment process page 3 to achieve the color at the same level as with the standard set.

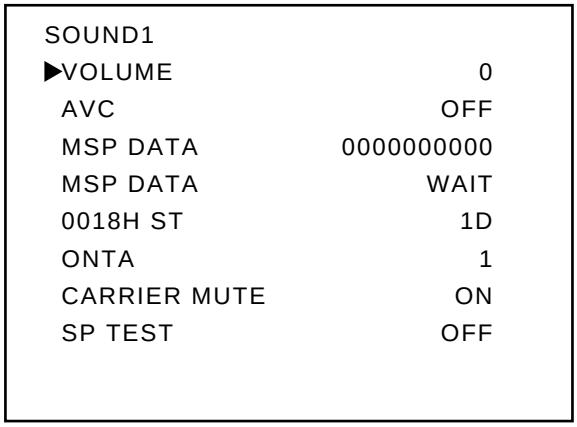
5-5. Other adjustments (SOUND, VPC, DPS, DAC, TUNER, OTHERS, TEXT)

1) Move the cursor to a desired item on page 4 of adjustment process menu. Press the CURSOR LEFT/ RIGHT keys, "VOL (+)/(–)" keys or OK key to select the item.



2) The adjustment process menu of the item appears on the screen. The settings are now ready to change.

Screen with SOUND selected



3) To go back to page 4 of adjustment process menu, press the FLASHBACK key on the remote controller.

5-6. Writing the model-by-model data

For the Ver. 0.96A (P.P.) /1.00A (1st~) microprocessor, get it initialized first and then make the settings, listed below, on it. (The microprocessor version is indicated at the bottom of Adjustment Process Page1.)

Ver. 0.96A/1.00A data reprogramming (INCH SIZE [20] , MODEL:A640M)		
Adjustment process page	Item	OSD settings
DPS01	N358 BRIGHTNESS	+15 → -16
DPS16	PAL BRIGHTNESS	+10 → -21
DPS21	SECAM BRIGHTNESS	+10 → -21
DPS26	PAL60 BRIGHTNESS	+5 → -26
DPS31	N443 BRIGHTNESS	0 → -31
DPS45	DPS NLC A6	E4 → FF
TEXT2	TEXTMIX CTI7D	16 → 0
TEXT3	TEXTALL BRT	-55 → -40
	TEXTALL CON	27 → 28
TEXT6	TEXTALL LTI	139 → 129
	TEXTMIX LTI	139 → 129
	TEXTALL LMIX78	66 → 79
	TEXTMIX LMIX78	66 → 79

6. Lamp error detection

6-1. Functional description

This LCD colour television has a function (lamp error detection) to be turned OFF automatically for safety when the lamp or lamp circuit is abnormal.

If the lamp or lamp circuit is abnormal, or some other errors happen, and the lamp error detection is executed, the followings occur.

1 The main unit of television is turned OFF 5 seconds after it is turned ON. (The power LED on the front side of TV turns from green to red.)

2 If the situation 1 happens 5 times sequentially, television can not be turned ON. (The power LED remains red.)

6-2. Countermeasures

6-2-1. Check when turning OFF the lamp error detection

When television is turned OFF by the lamp error detection mentioned above, it enters the adjustment process with the power LED red. Entering the adjustment process turns OFF the error detection and turns ON TV.

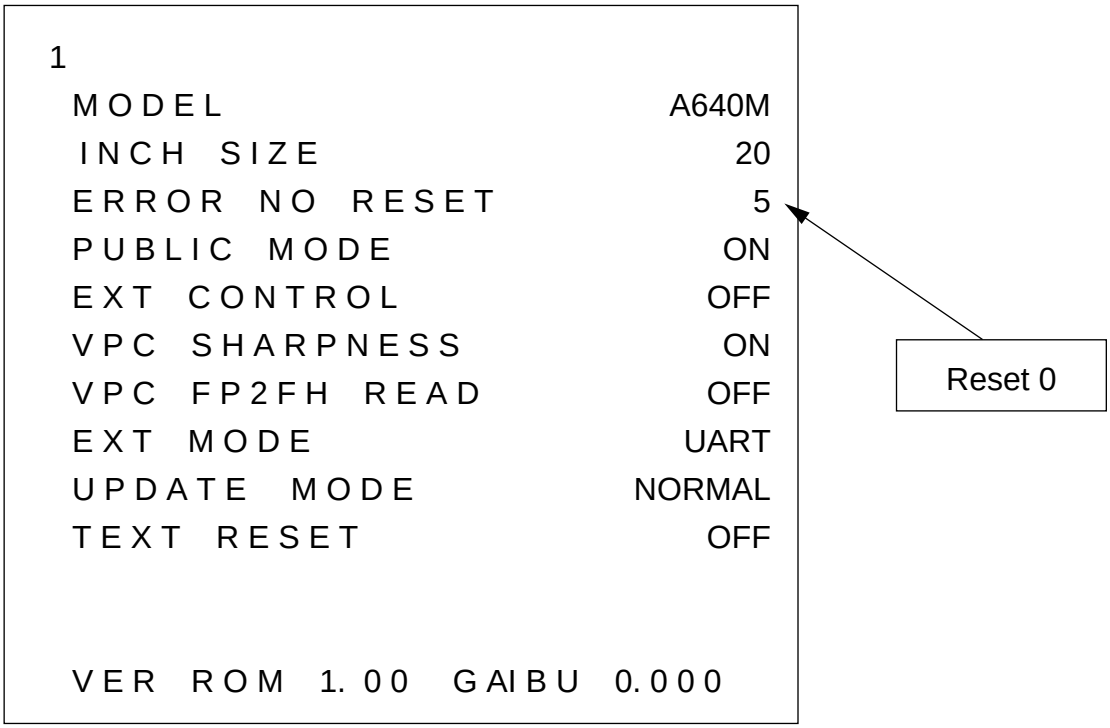
This enables the operation check to detect errors in the lamp or lamp circuit.

Check whether "ERROR NO RESET" on line 4, page 1 of the adjustment process is 1 or more. If it is 1 or more, it indicates the lamp error detection was executed.

6-2-2. Resetting of the lamp error count

After confirming that the lamp or lamp circuit is normal, reset the lamp error count. Select "ERROR NO RESET" on line 4, page 1 of the adjustment process and set the number to 0 using the volume button.

Page 1 of the adjustment process



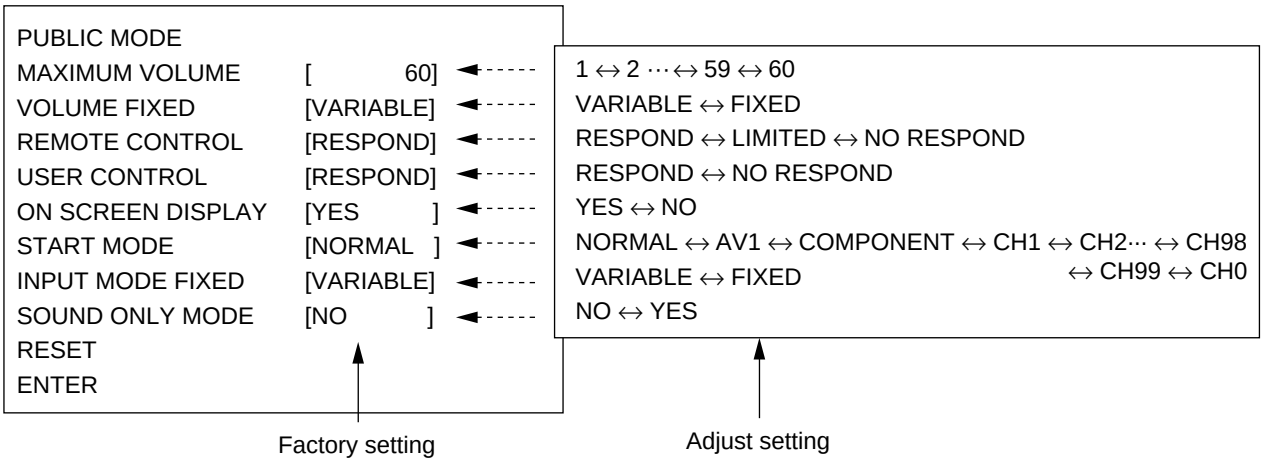
Afterwards, perform the operation check to confirm that the lamp error detection does not function.

7. Public mode

- How to enter into PUBLIC MODE

1. Turn off TV by pressing MAIN POWER switch.
2. While pressing "VOL(+)" key and "CH(∧)" key at the same time, press MAIN POWER switch for more than 2 seconds.
   TV will turn on, and you will see the screen display a setting of PUBLIC MODE.

• Setting screen of "PUBLIC MODE"

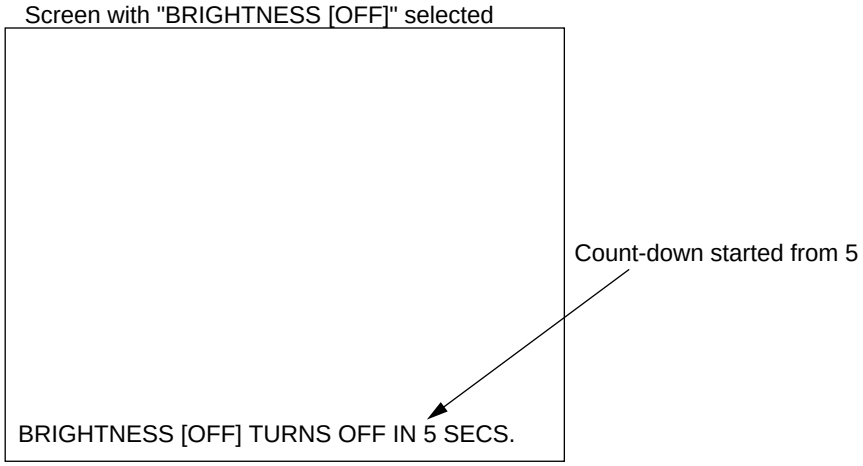


1. You can select each item of functions by pressing cursor UP/DOWN keys or CH(∧)/(∨) Keys on the remote control or CH(∧)/(∨) keys on the LCD TV. The letter of selected item turns to yellow colour when you selected it.
2. The setting position of each item of functions are made by pressing cursor RIGHT/LEFT keys on the remote control or VOL (+)/(–)keys on the LCD TV.
3. Select ENTER position after you set all functions, and press cursor RIGHT/LEFT keys on the remote control or VOL(+)/(–)keys on the LCD TV for confirmation.
   Unless otherwise you make ENTER confirmation, the settings will not be memorized.

• 6-functions of Public Mode settings expand for public application

1. MAXIMUM VOLUME (1————60)
   You can set the maximum volume at your desire level.
2. VOLUME FIXED (VARIABLE / FIXED)
   You can fix the sound volume at your desire level.
   When you set to "FIXED", the sound volume which you just set is fixed.
3. REMOTE CONTROL (RESPOND / LIMITED)
   If you set "LIMITED", remote control keys of POWER, CH(∧)/(∨), VOL(–)/(+) and BRIGHT keys are responded, but other keys are not responded.
   This is a position that you can not make MENU adjustments.
4. USER CONTROL (RESPOND / NO RESPOND)
   "NO RESPOND" means that the TV does not respond when you press a user control buttons except main power button on the main unit.
5. ON SCREEN DISPLAY (YES / NO)
   If you set "NO" position, OSD will not appear.
6. START MODE (NORMAL↔AV1↔COMPONENT↔CH1↔CH2···↔CH98↔CH99↔CH0)
   When any other item than "NORMAL" has been selected, the set gets started in the selected input mode or channel at the next switch-on.
7. INPUT MODE FIXED (VARIABLE↔FIXED)
   (* This item cannot be selected if the start mode is "NORMAL".)
   If "FIXED" has been selected, any channels and input modes other than those selected in the start mode cannot be picked up.

8. SOUND ONLY MODE (NO↔YES)
   (* This item cannot be selected if "NO" appears on the on-screen display.)
   Let's suppose that this item has been selected and the BRIGHT key on the remote control has been pressed. The item "BRIGHTNESS [OFF]" can now be selected next to the item "BRIGHTNESS [DARK]".



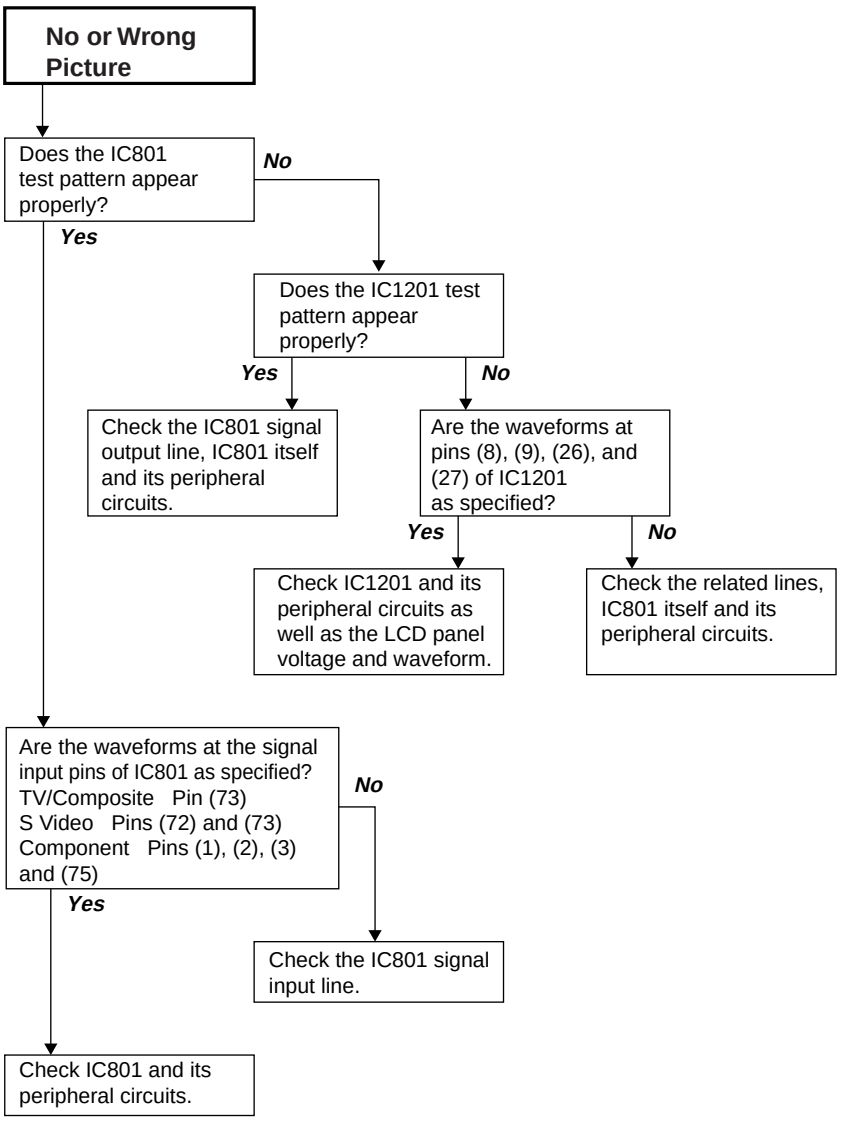
   Five seconds later, the screen shuts off and the sound alone is heard.
   Once in this mode, no picture but the OSD appears. But the channels and sound volume can still be changed.

   To quit this mode, press the BRIGHT key on the remote control again and select any item other than "BRIGHTNESS [OFF]".

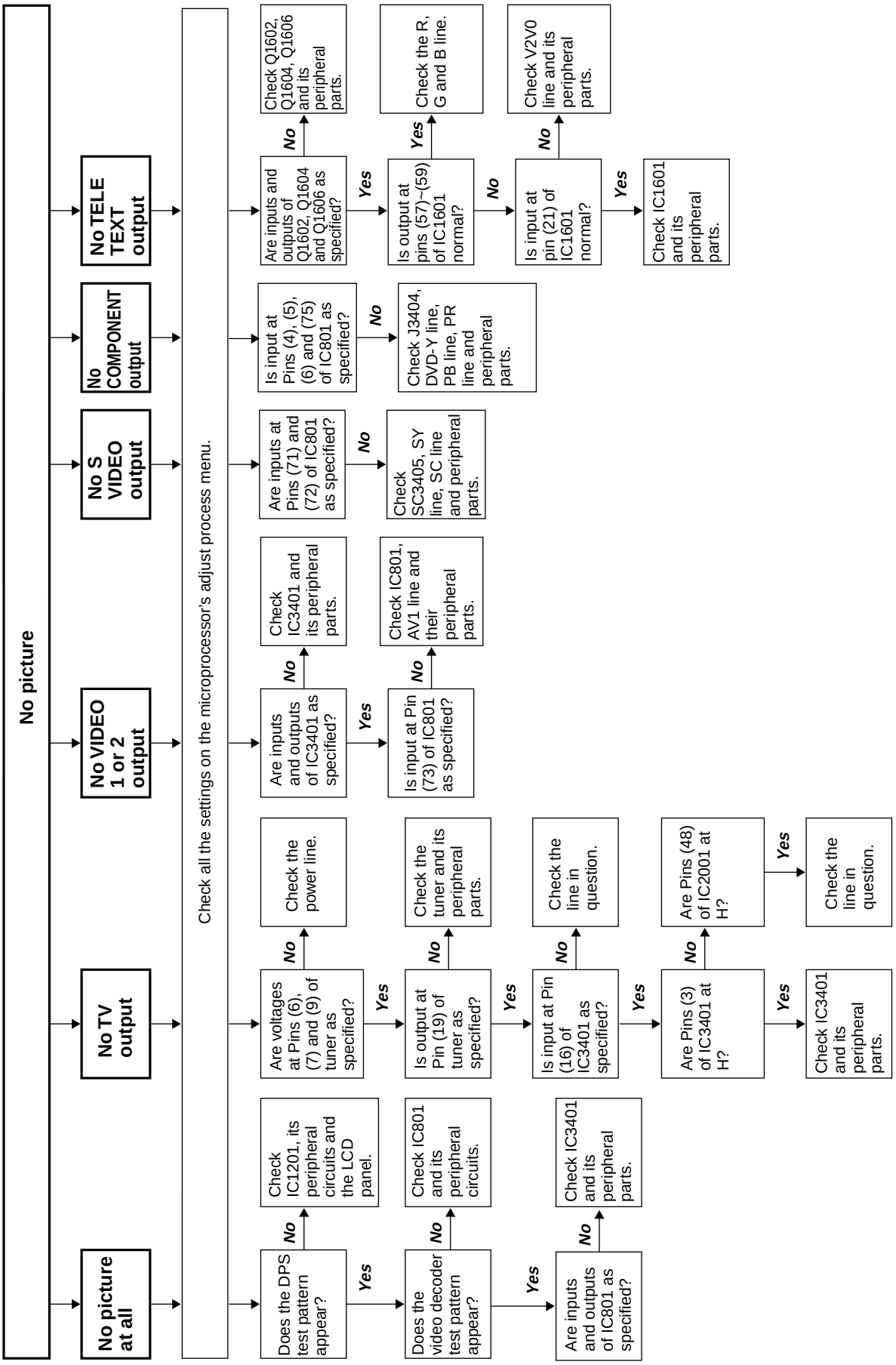
9. RESET
   You can cancel all Public Mode settings. (It returns to the factory setting.)

10. ENTER
   You make sure after you have specified all functions, then press the enter key. Unless otherwise you press the enter key, all positions that you have selected will not be set.

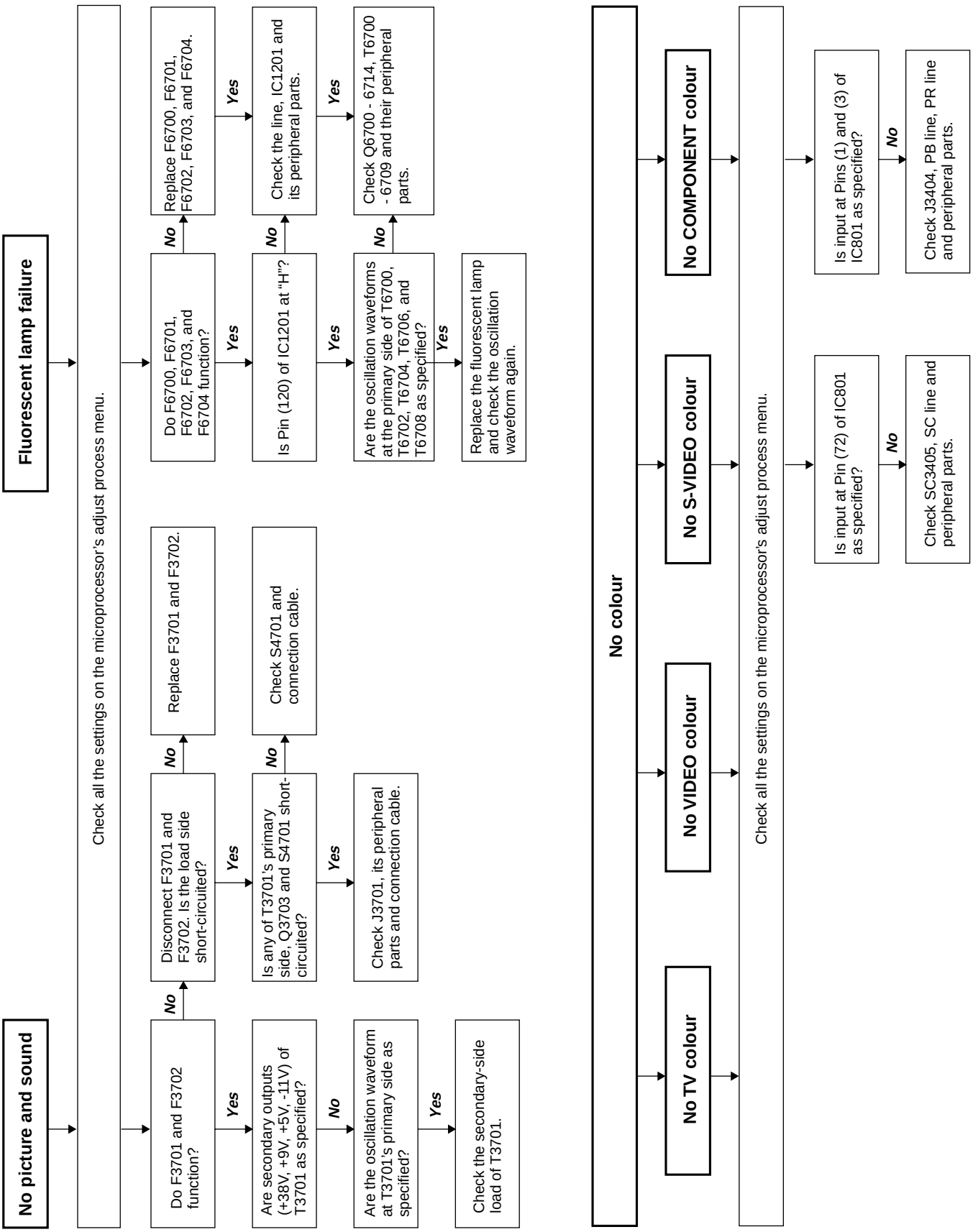
TROUBLE SHOOTING TABLE


No or Wrong Picture
Does the IC801 test pattern appear properly?
No
Yes
Does the IC1201 test pattern appear properly?
Yes
No
Check the IC801 signal output line, IC801 itself and its peripheral circuits.
Are the waveforms at pins (8), (9), (26), and (27) of IC1201 as specified?
Yes
No
Check IC1201 and its peripheral circuits as well as the LCD panel voltage and waveform.
Check the related lines, IC801 itself and its peripheral circuits.
Are the waveforms at the signal input pins of IC801 as specified?
TV/Composite Pin (73)
S Video Pins (72) and (73)
Component Pins (1), (2), (3) and (75)
No
Yes
Check the IC801 signal input line.
Check IC801 and its peripheral circuits.

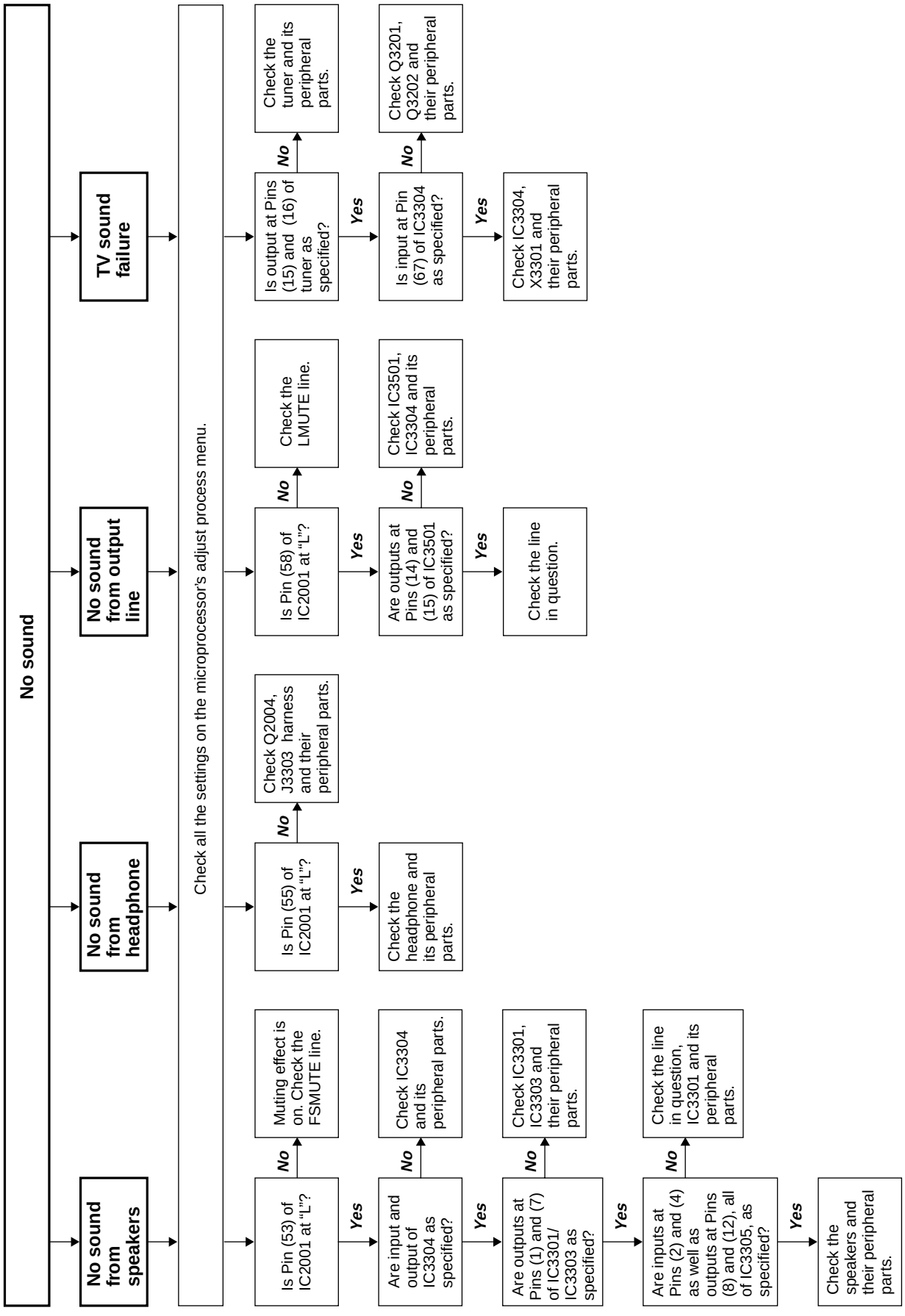
TROUBLE SHOOTING TABLE (Continued)


No picture
No picture at all
No TV output
No VIDEO 1 or 2 output
No S VIDEO output
No COMPONENT output
No TELE TEXT output
Check all the settings on the microprocessor's adjust process menu.
Does the DPS test pattern appear?
Yes
No
Check IC1201, its peripheral circuits and the LCD panel.
Does the video decoder test pattern appear?
Yes
No
Check IC801 and its peripheral circuits.
Are inputs and outputs of IC801 as specified?
Yes
No
Check IC3401 and its peripheral parts.
Are voltages at Pins (6), (7) and (9) of tuner as specified?
Yes
No
Check the power line.
Is output at Pin (19) of tuner as specified?
Yes
No
Check the tuner and its peripheral parts.
Is input at Pin (16) of IC3401 as specified?
Yes
No
Check the line in question.
Are Pins (3) of IC3401 at H?
Yes
No
Check IC3401 and its peripheral parts.
Are Pins (48) of IC2001 at H?
Yes
Check the line in question.
Are inputs and outputs of IC3401 as specified?
Yes
No
Check IC3401 and its peripheral parts.
Is input at Pin (73) of IC801 as specified?
Yes
No
Check IC801, AV1 line and their peripheral parts.
Are inputs at Pins (71) and (72) of IC801 as specified?
Yes
No
Check SC3405, SY line, SC line and peripheral parts.
Is input at Pins (4), (5), (6) and (75) of IC801 as specified?
Yes
No
Check J3404, DVD-Y line, PB line and peripheral parts.
Are inputs and outputs of Q1602, Q1604 and Q1606 as specified?
Yes
No
Check Q1602, Q1604, Q1606 and its peripheral parts.
Is output at pins (57)~(59) of IC1601 normal?
Yes
No
Check the R, G and B line.
Is input at pin (21) of IC1601 normal?
Yes
No
Check V2V0 line and its peripheral parts.
Check IC1601 and its peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

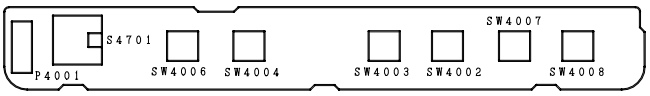

No picture and sound
Check all the settings on the microprocessor's adjust process menu.
Do F3701 and F3702 function?
No
Disconnect F3701 and F3702. Is the load side short-circuited?
No
Replace F3701 and F3702.
Yes
Are secondary outputs (+38V, +9V, +5V, -11V) of T3701 as specified?
No
Is any of T3701's primary side, Q3703 and S4701 short-circuited?
No
Check S4701 and connection cable.
Yes
Are the oscillation waveform at T3701's primary side as specified?
No
Check J3701, its peripheral parts and connection cable.
Yes
Check the secondary-side load of T3701.
Fluorescent lamp failure
Check all the settings on the microprocessor's adjust process menu.
Do F6700, F6701, F6702, F6703, and F6704 function?
No
Replace F6700, F6701, F6702, F6703, and F6704.
Yes
Is Pin (120) of IC1201 at "H"?
No
Check the line, IC1201 and its peripheral parts.
Yes
Are the oscillation waveforms at the primary side of T6700, T6702, T6704, T6706, and T6708 as specified?
No
Check Q6700 - 6714, T6700 - 6709 and their peripheral parts.
Yes
Replace the fluorescent lamp and check the oscillation waveform again.
No colour
No TV colour
No VIDEO colour
No S-VIDEO colour
No COMPONENT colour
Check all the settings on the microprocessor's adjust process menu.
Is input at Pin (72) of IC801 as specified?
No
Check SC3405, SC line and peripheral parts.
Is input at Pins (1) and (3) of IC801 as specified?
No
Check J3404, PB line, PR line and peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

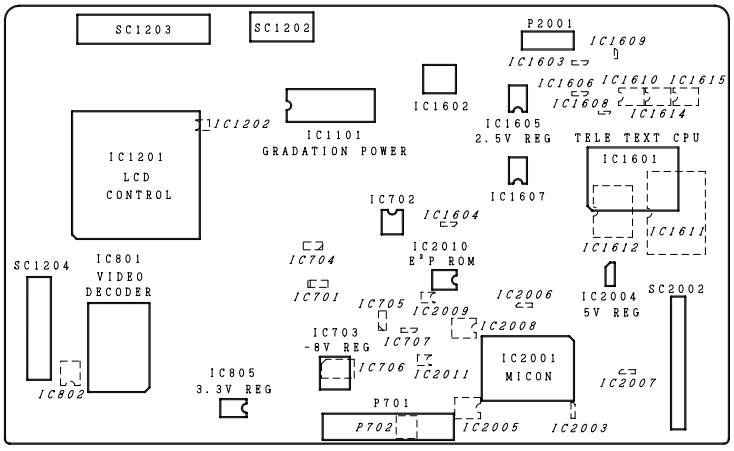

No sound
No sound from speakers
Is Pin (53) of IC2001 at "L"?
No
Muting effect is on. Check the FSMUTE line.
Yes
Are input and output of IC3304 as specified?
No
Check IC3304 and its peripheral parts.
Yes
Are outputs at Pins (1) and (7) of IC3301/ IC3303 as specified?
No
Check IC3301, IC3303 and their peripheral parts.
Yes
Are inputs at Pins (2) and (4) as well as outputs at Pins (8) and (12), all of IC3305, as specified?
No
Check the line in question, IC3301 and its peripheral parts.
Yes
Check the speakers and their peripheral parts.
No sound from headphone
Is Pin (55) of IC2001 at "L"?
No
Check Q2004, J3303 harness and their peripheral parts.
Yes
Check the headphone and its peripheral parts.
No sound from output line
Is Pin (58) of IC2001 at "L"?
No
Check the LMUTE line.
Yes
Are outputs at Pins (14) and (15) of IC3501 as specified?
No
Check IC3501, IC3304 and its peripheral parts.
Yes
Check the line in question.
TV sound failure
Is output at Pins (15) and (16) of tuner as specified?
No
Check the tuner and its peripheral parts.
Yes
Is input at Pin (67) of IC3304 as specified?
No
Check Q3201, Q3202 and their peripheral parts.
Yes
Check IC3304, X3301 and their peripheral parts.
Check all the settings on the microprocessor's adjust process menu.

CHASSIS LAYOUT

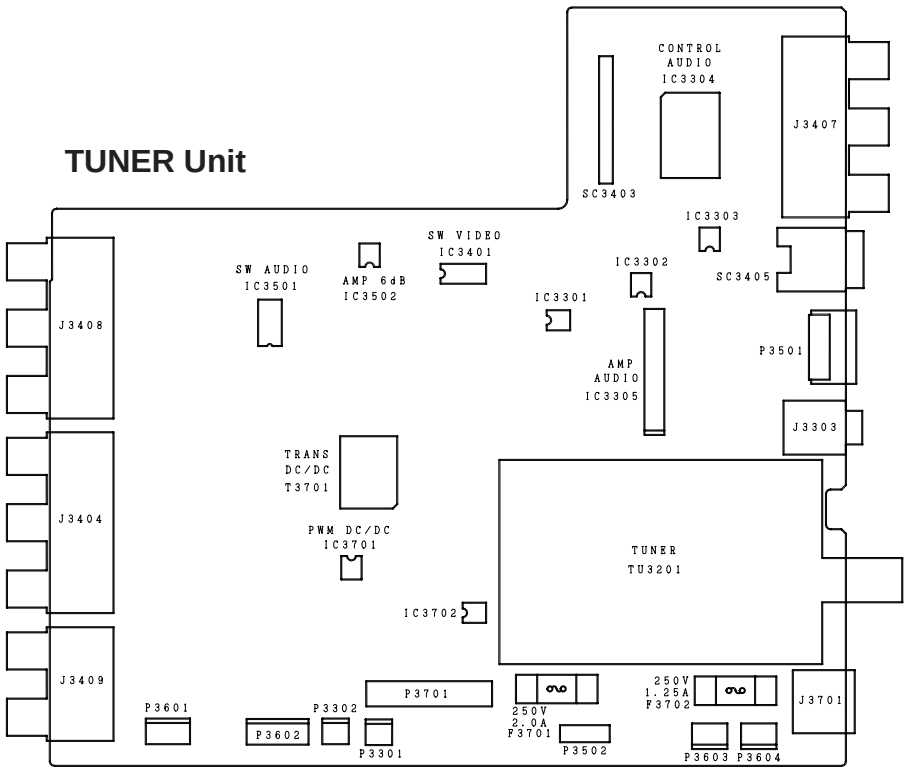
OPERATION Unit



MAIN Unit

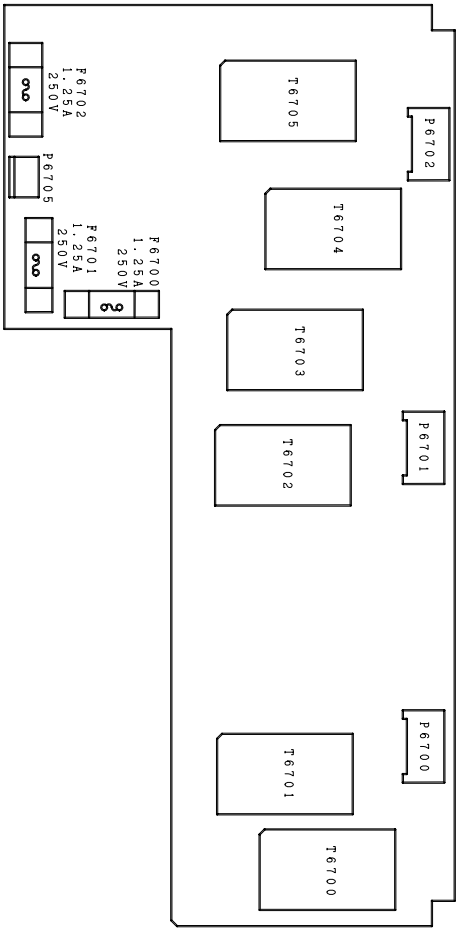


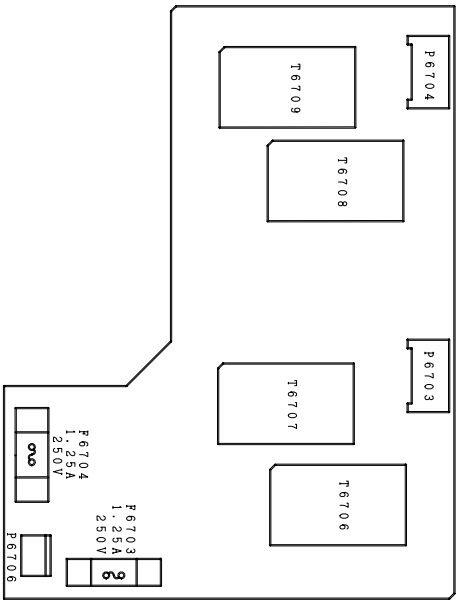
TUNER Unit



R/C, LED Unit

INVERTER-A Unit

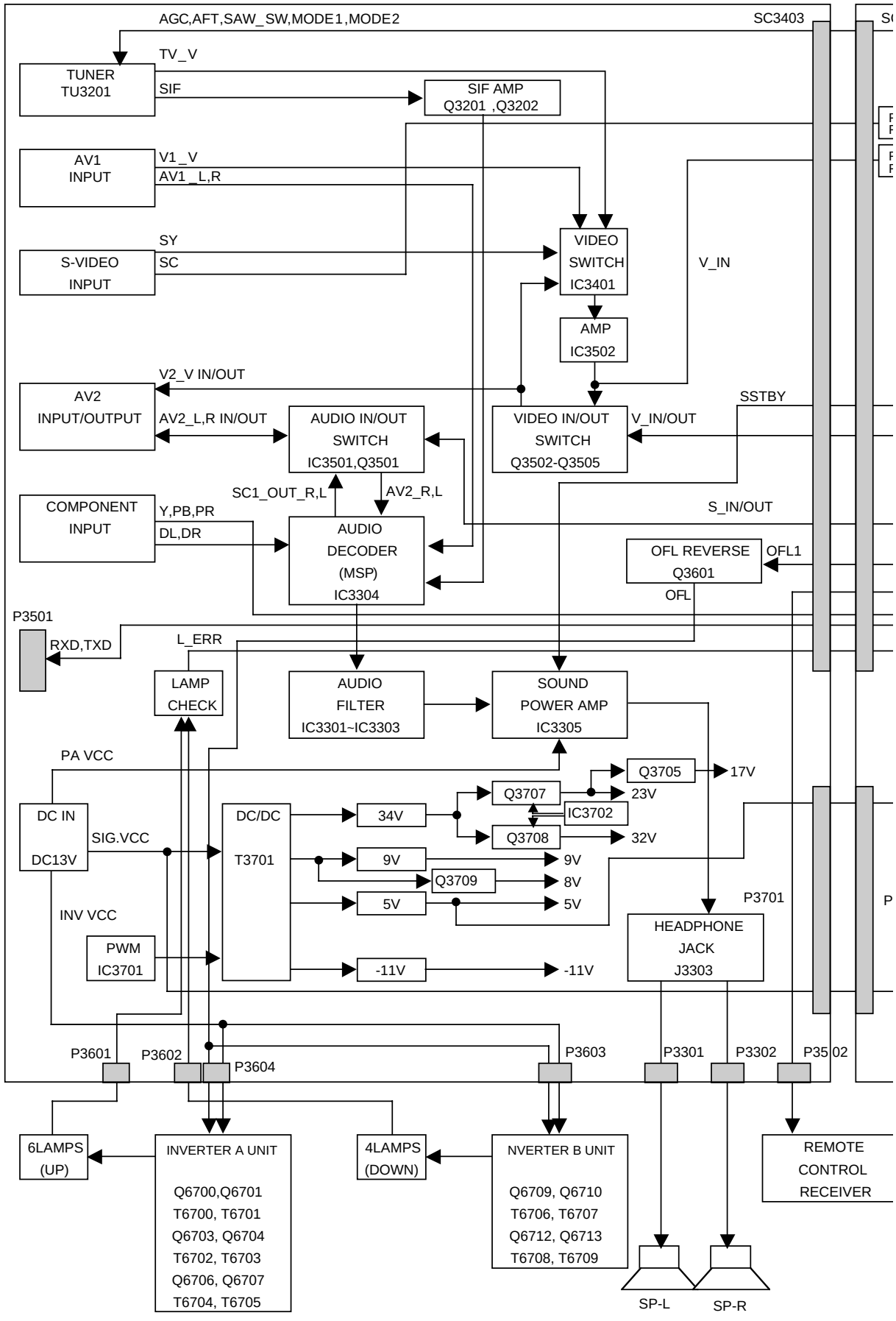


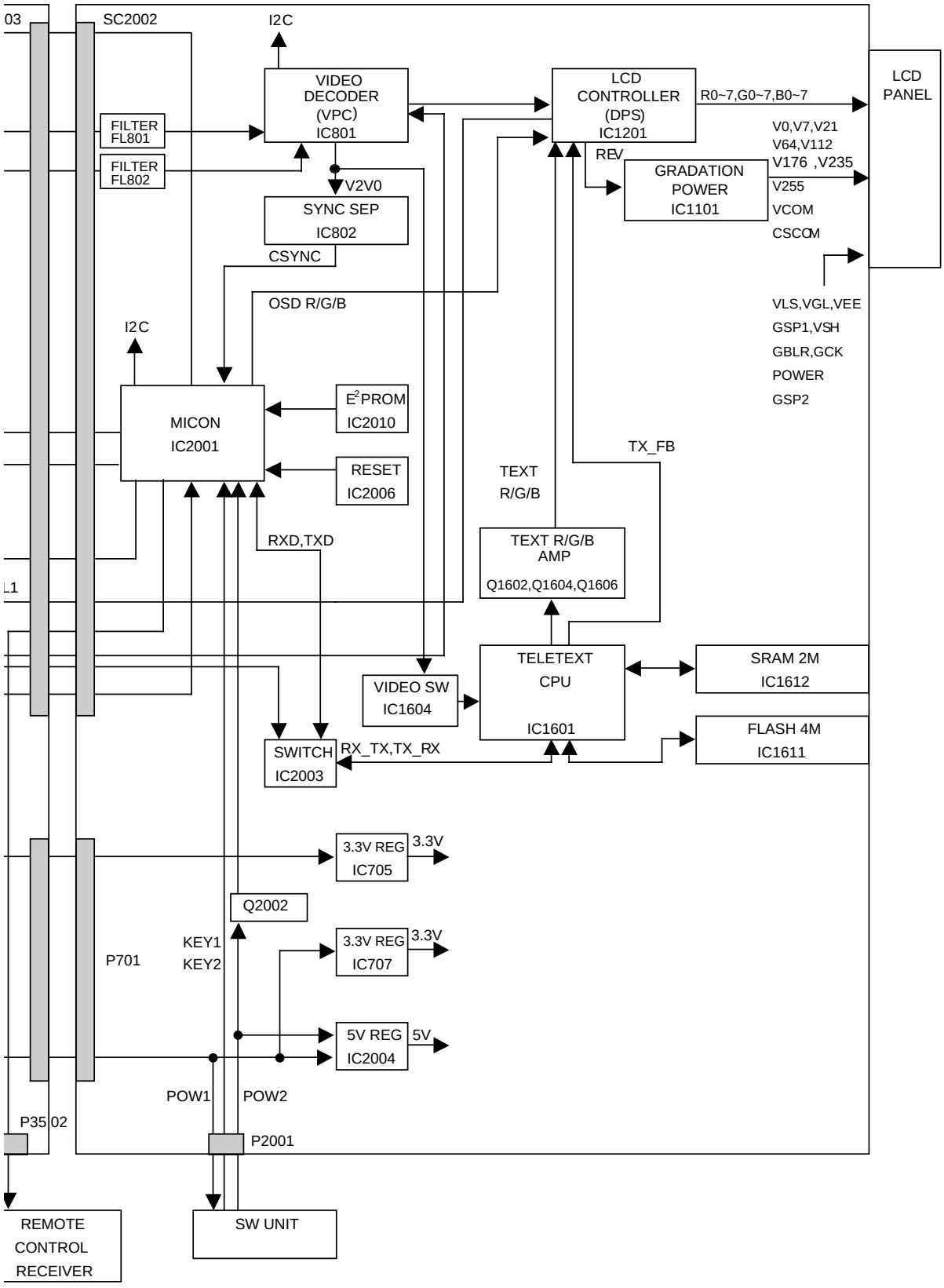


INVERTER-B Unit

10	11	12	13	14	15	16	17	18	19

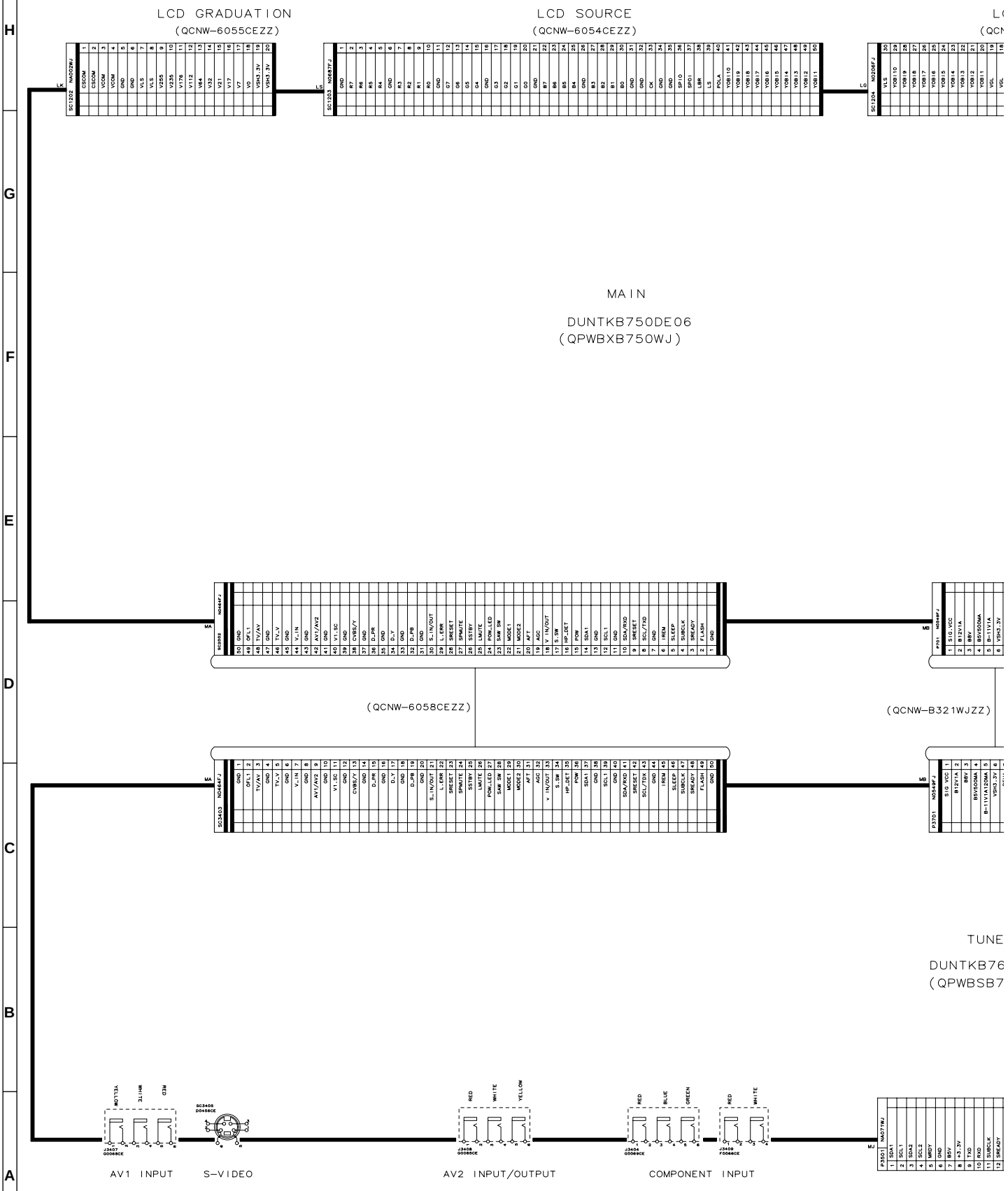
BLOCK DIAGRAM

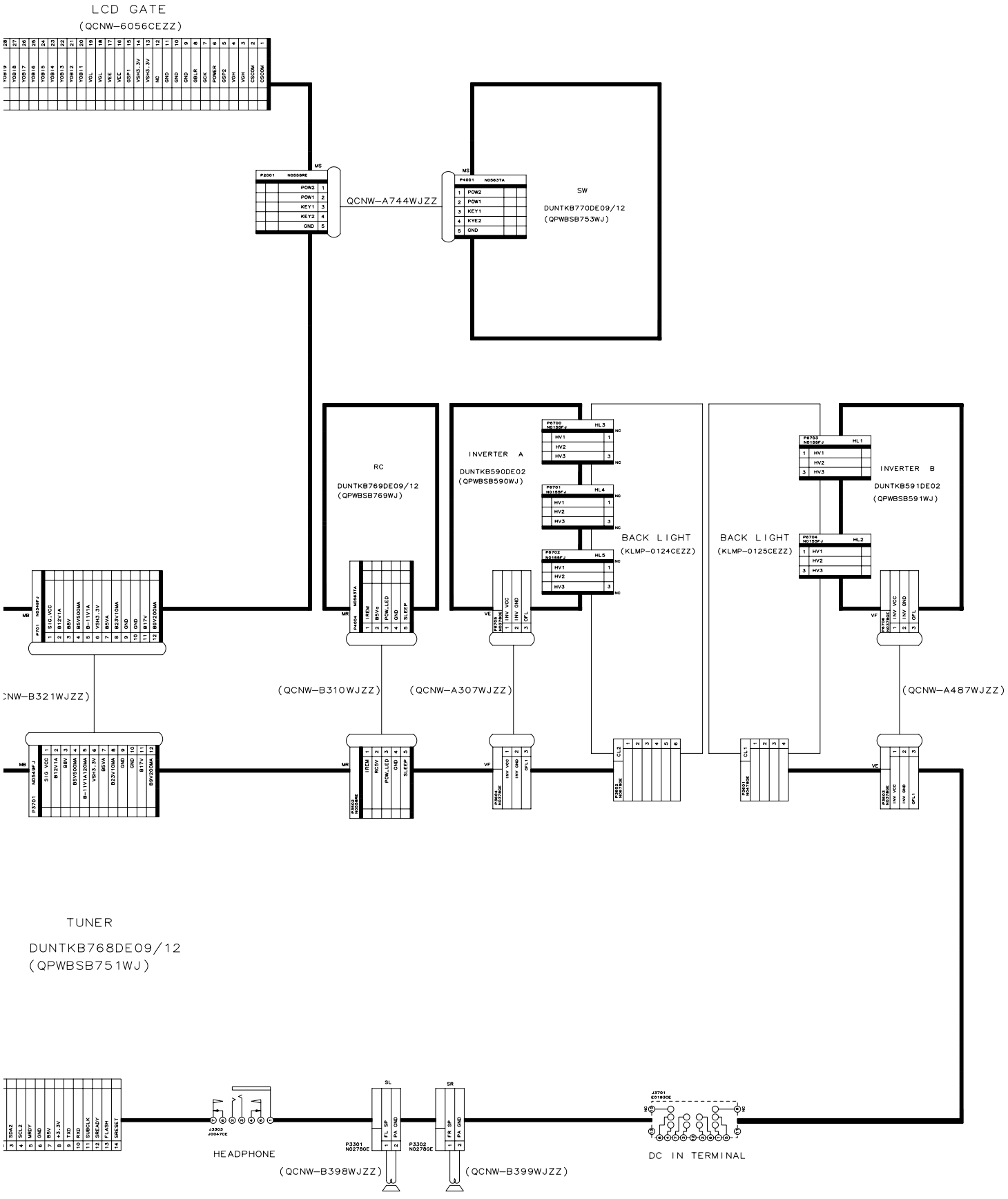




10	11	12	13	14	15	16	17	18	19

OVERALL WIRING DIAGRAM





10	11	12	13	14	15	16	17	18	19

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid Ⓦ: Cement
   Ⓢ: Oxide Film Ⓣ: Special
   Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   (ML): Mylar (TA): Tantalum
   (PF): Polypro Film (ST): Styrol

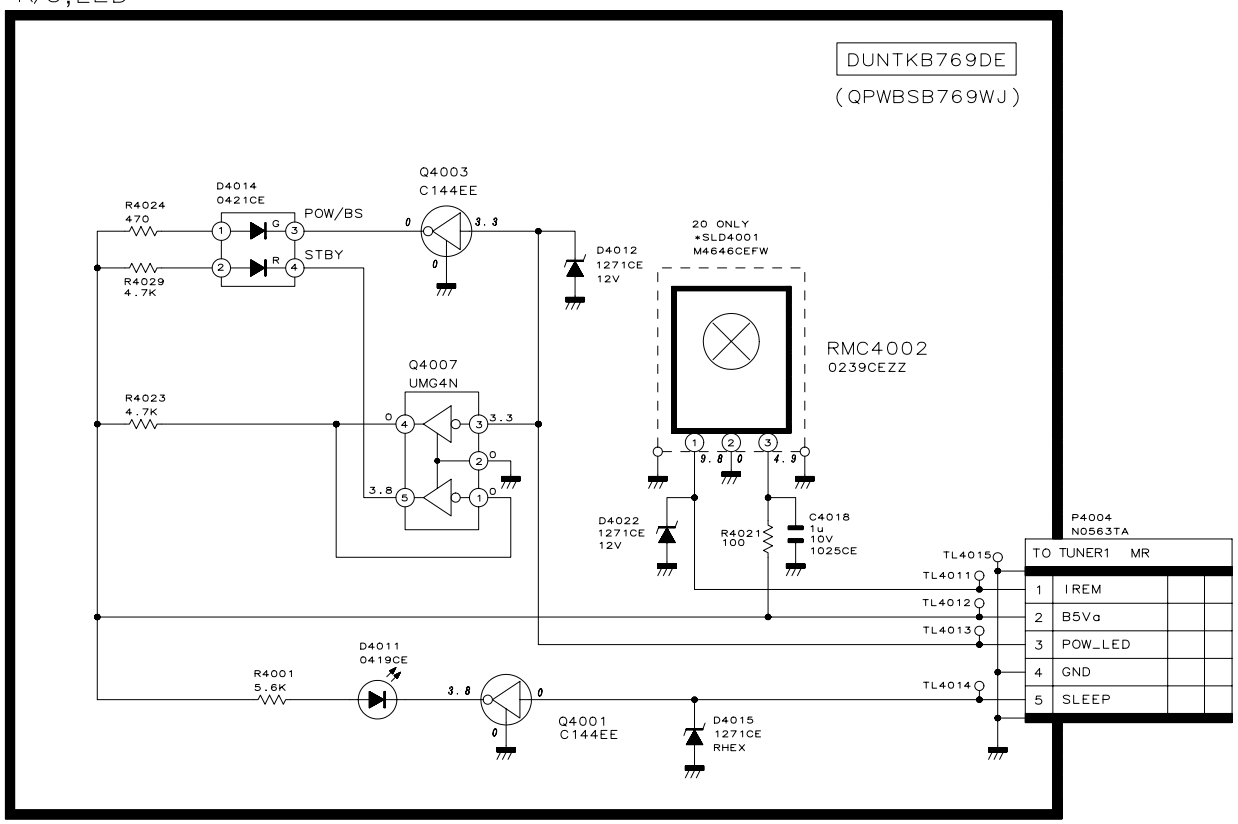
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

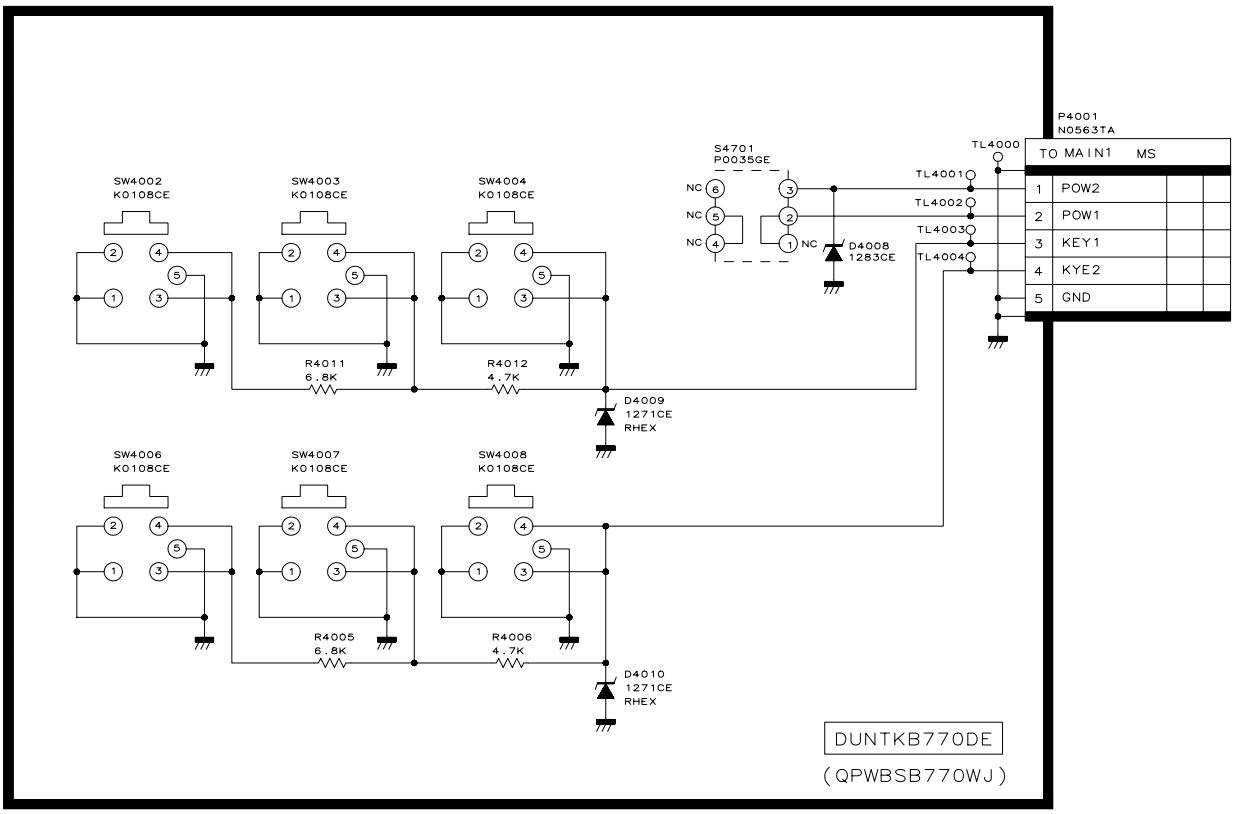
SCHEMATIC DIAGRAM

■ R/C, LED and OPERATION Unit

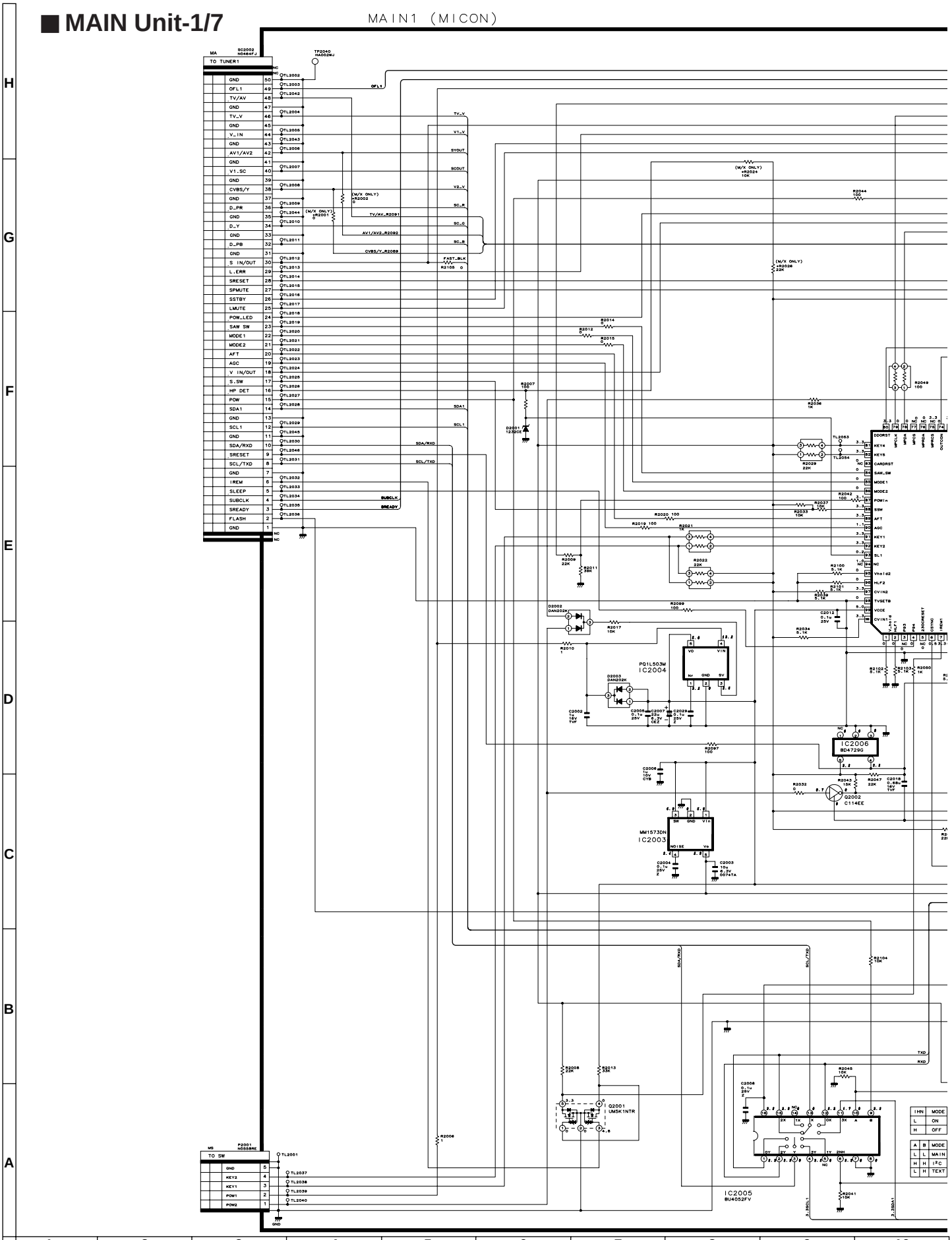
R/C,LED

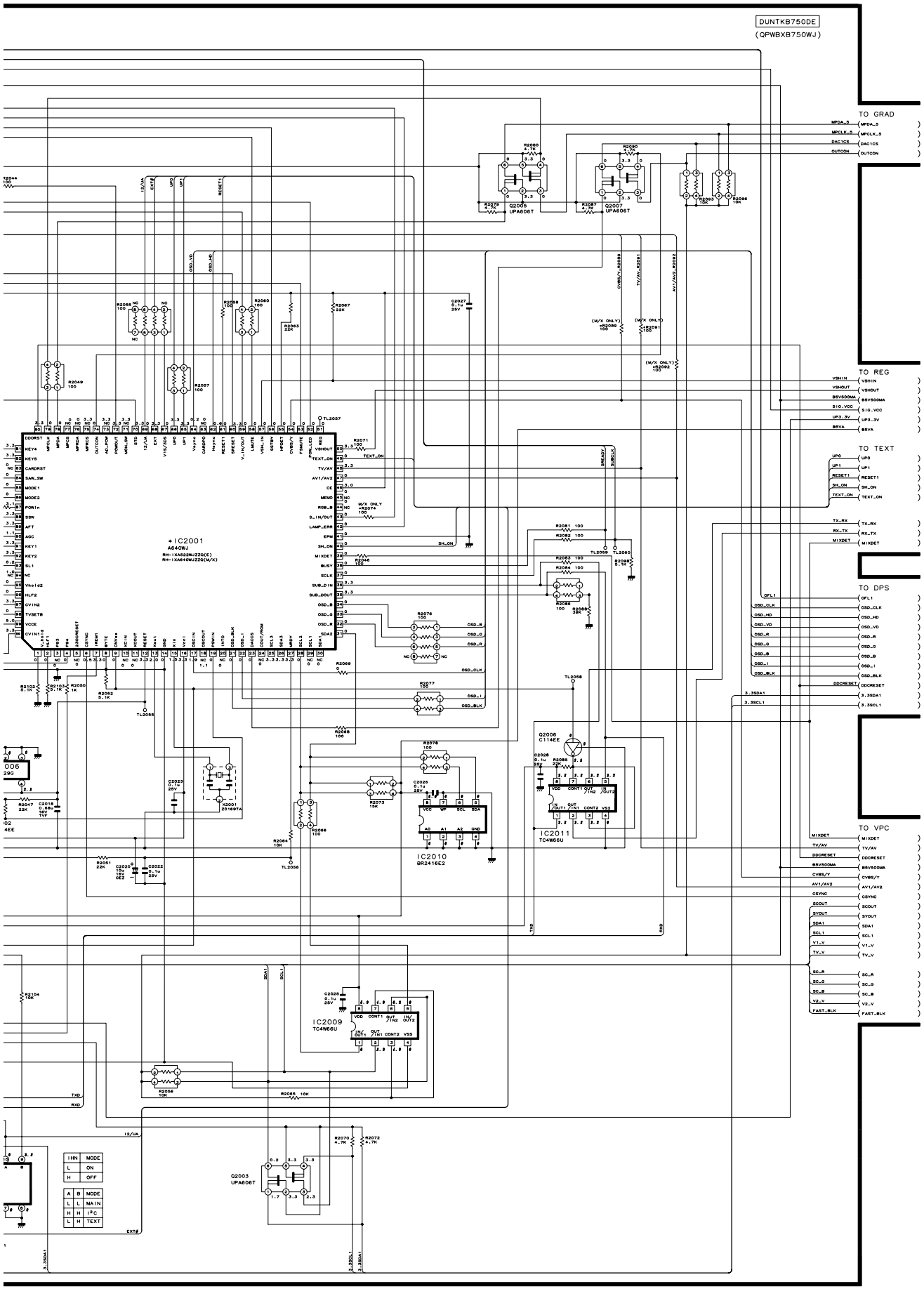


OPERATION



■ MAIN Unit-1/7

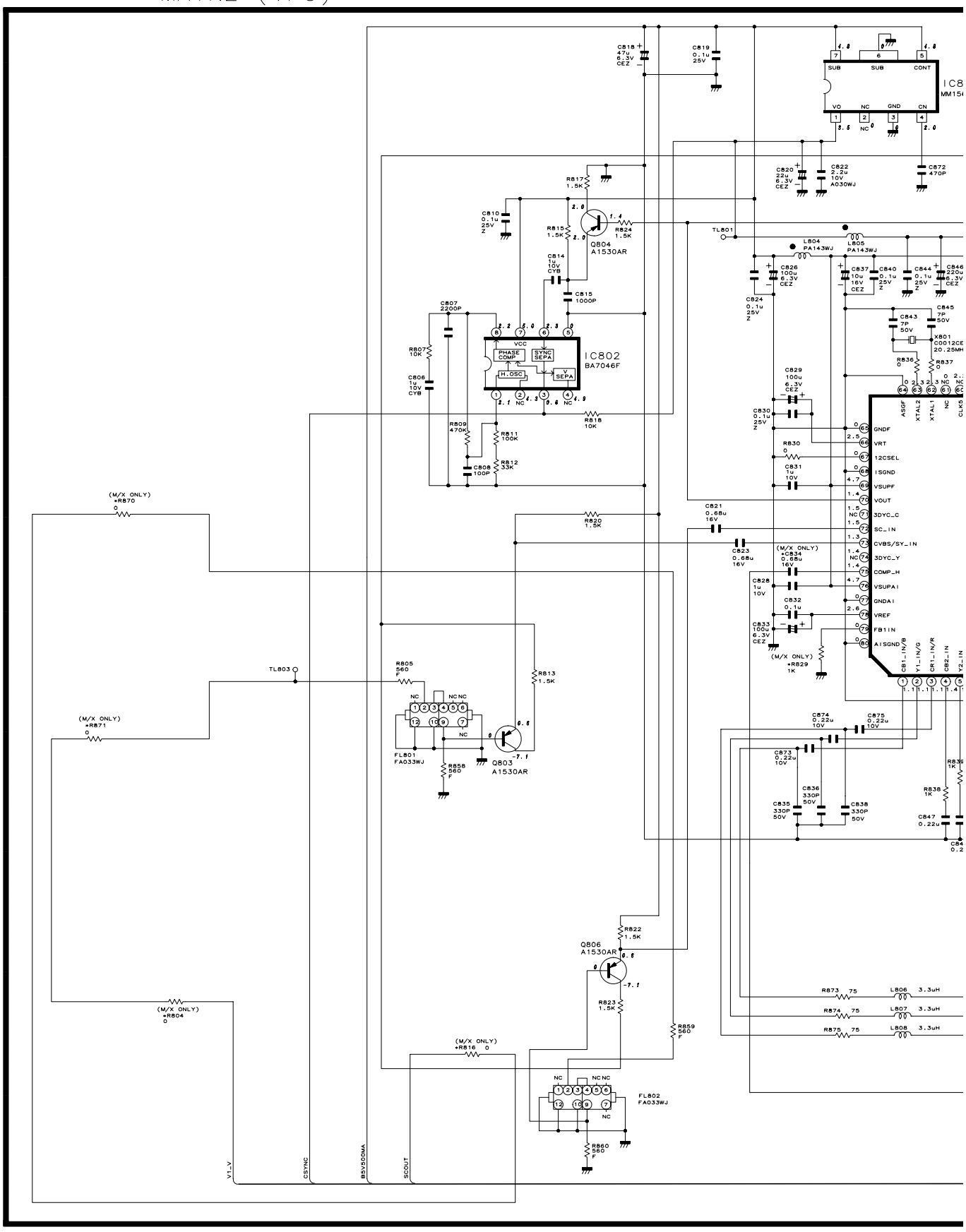

MAIN1 (MICON)
TO TUNER1
GND
OFL1
TV/AV
TV_V
V_IN
AV1/AV2
V1.SC
CVBS/Y
D_PR
D_Y
D_PB
S IN/OUT
L.ERR
SRESET
SPMUTE
SSTBY
LMUTE
POW_LED
SAW SW
MODE1
MODE2
AFT
AGC
V IN/OUT
S.SW
HP DET
POW
SDA1
SCL1
SDA/RXD
SCL/TXD
IREM
SLEEP
SUBCLK
SREADY
FLASH
TO SW
KEY2
KEY1
POW1
POW2
IC2004
PQ1L503M
IC2003
MM1573DN
IC2005
BU4052FV
IC2006
BD4729G
Q2001
UM5K1NTR
Q2002
C114EE
D2001
12.2GS
D2002
DAN202K
D2003
DAN202K

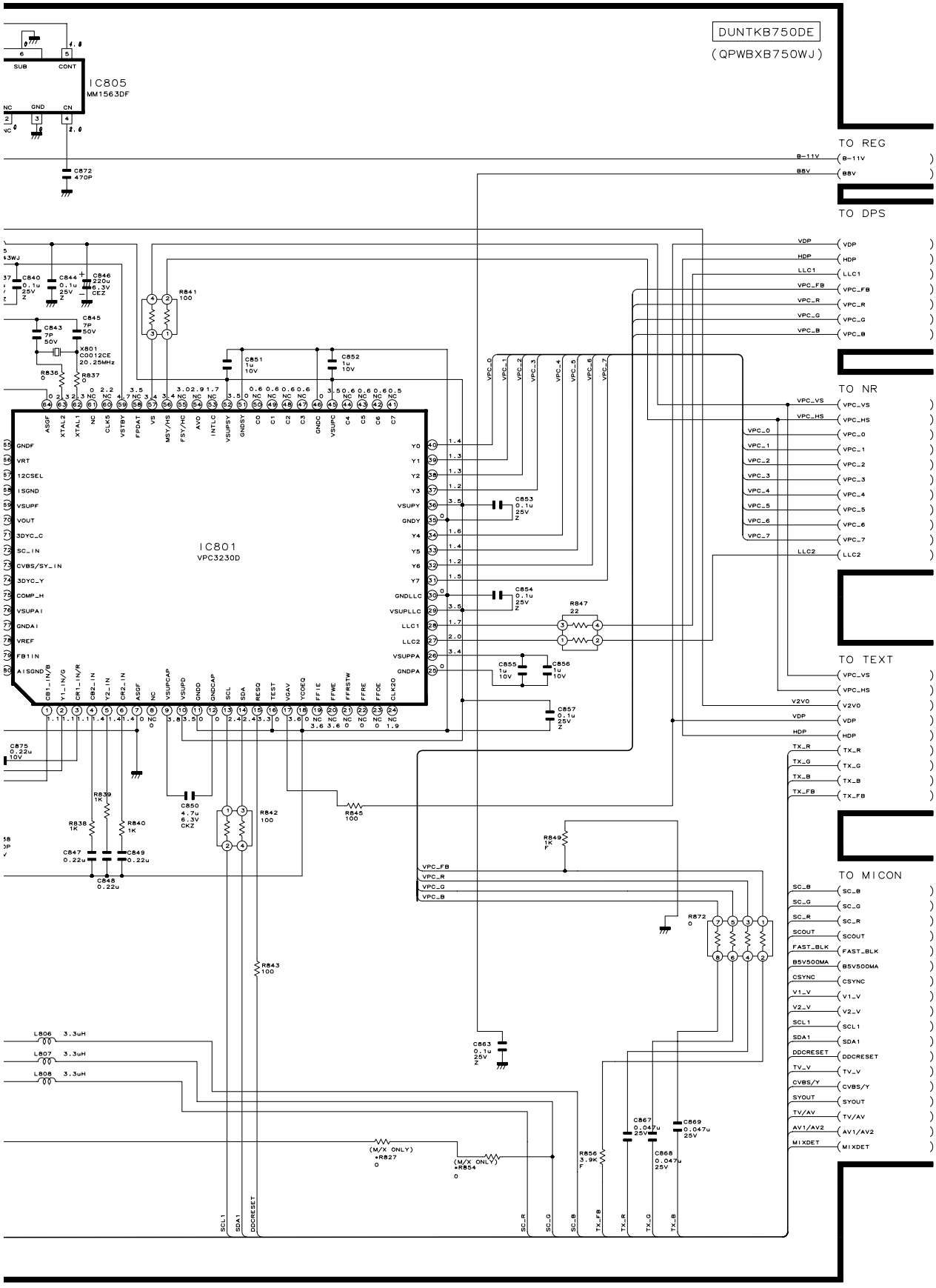


10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-2/7

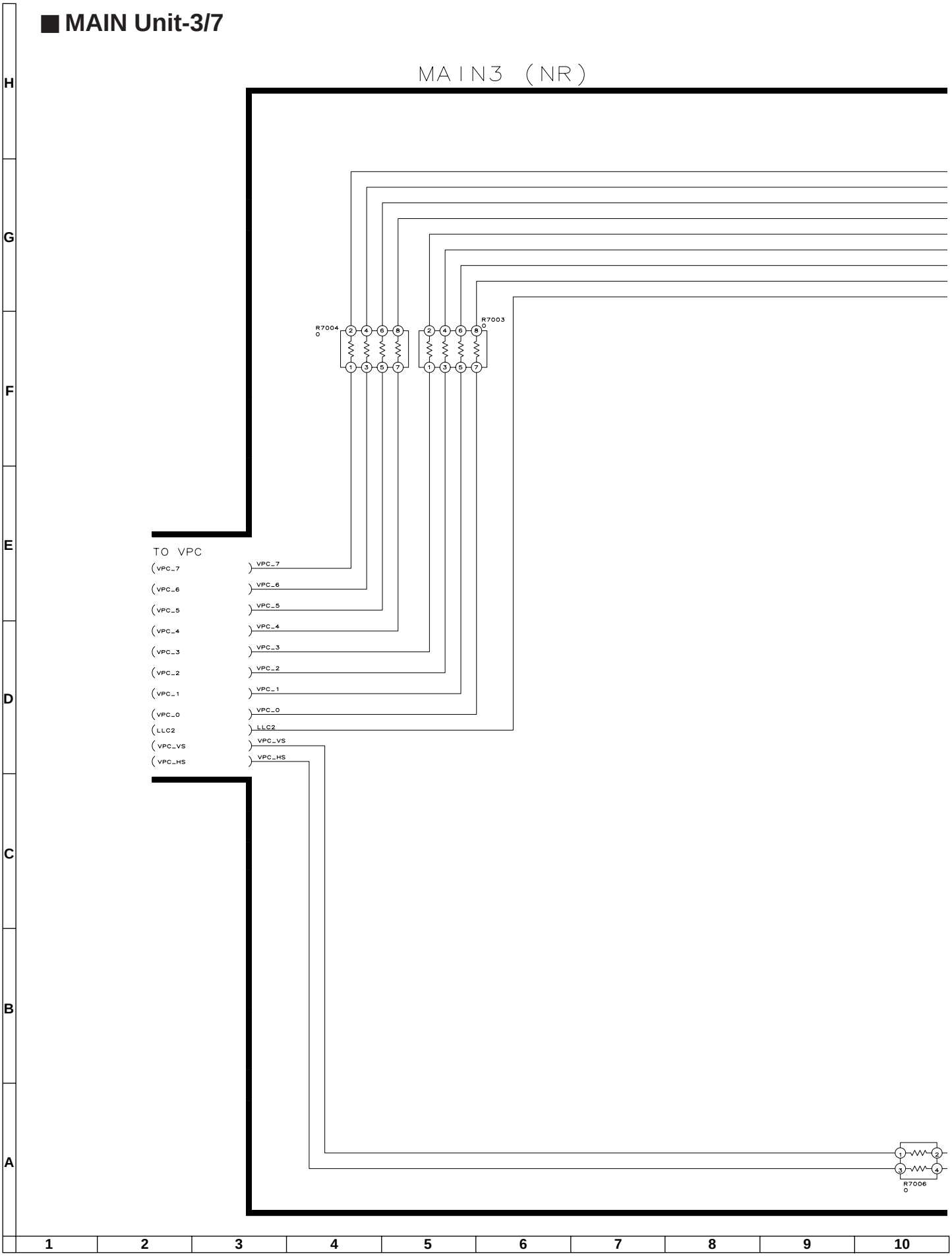
MAIN2 (VPC)

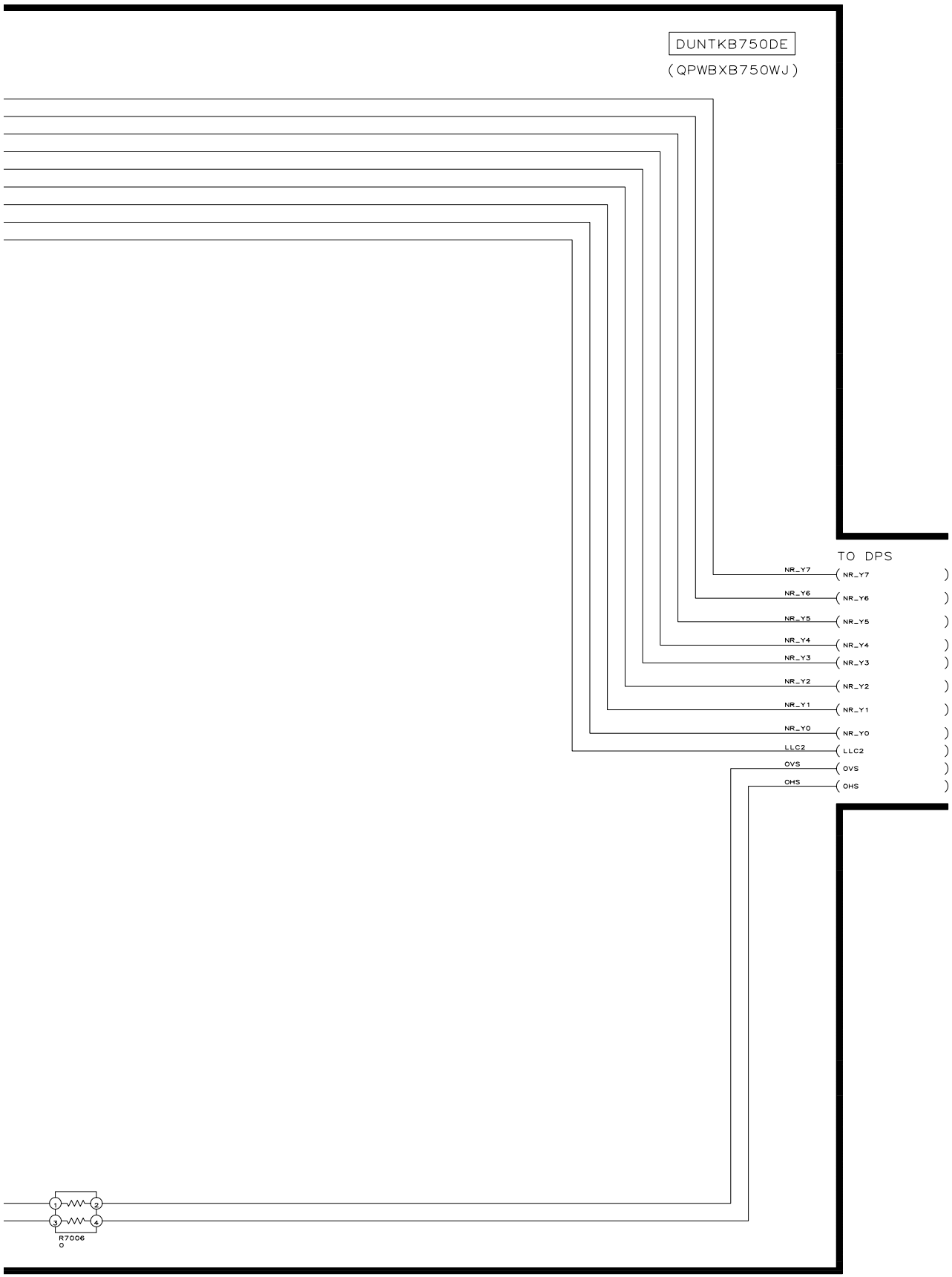




10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-3/7

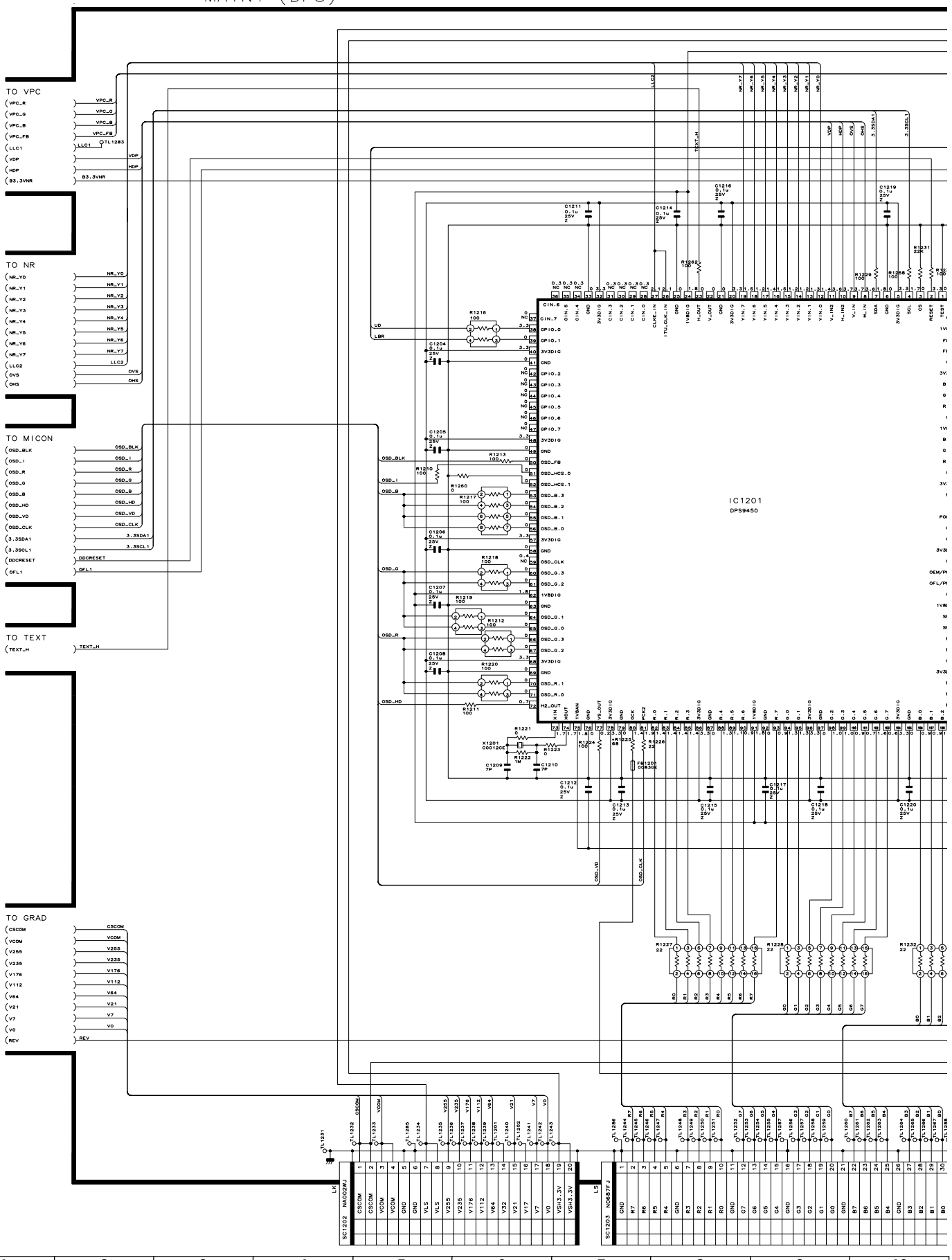

MAIN3 (NR)
TO VPC
VPC_7
VPC_6
VPC_5
VPC_4
VPC_3
VPC_2
VPC_1
VPC_0
LLC2
VPC_VS
VPC_HS
R7004 0
R7003 0
R7006 0
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

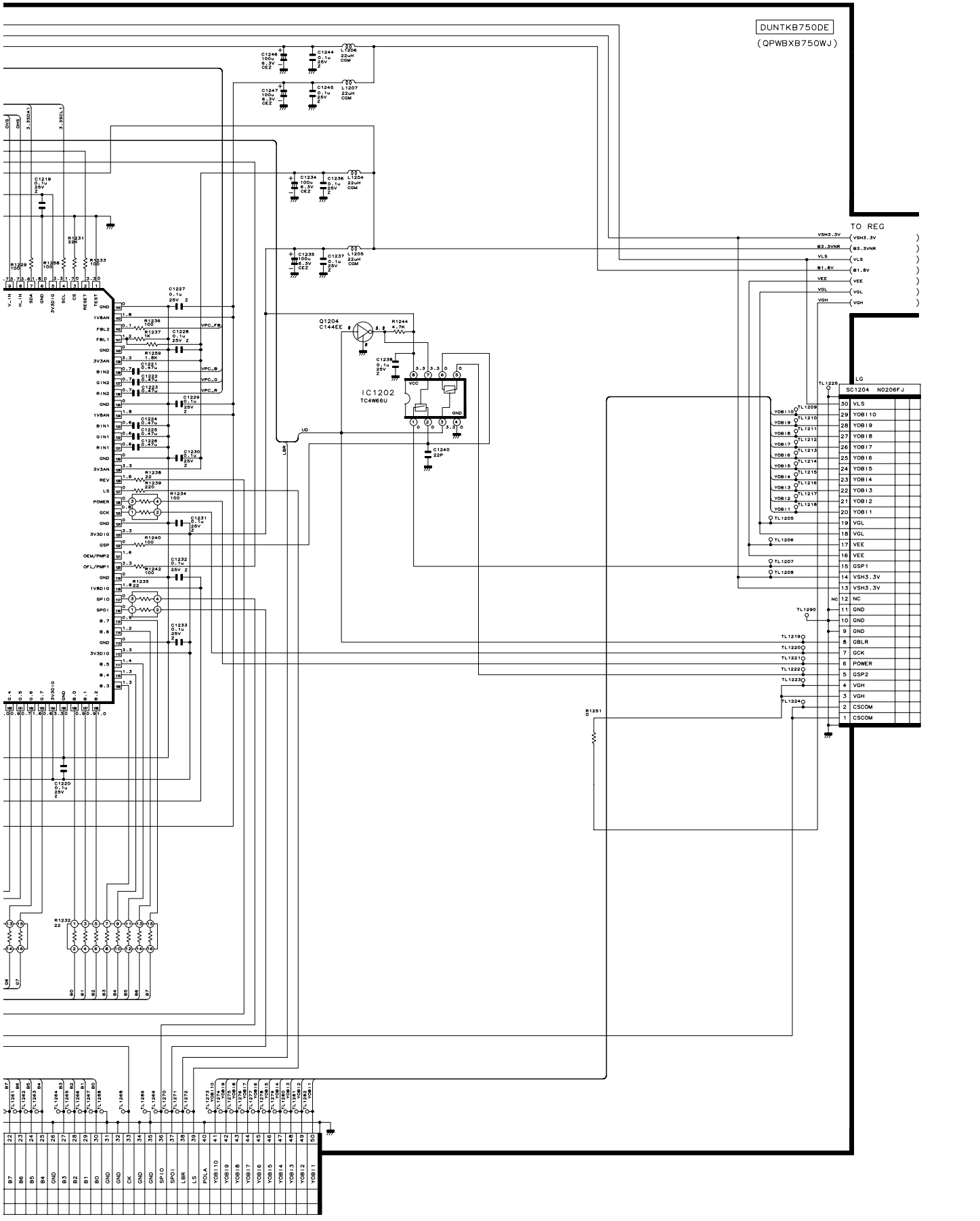


10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-4/7

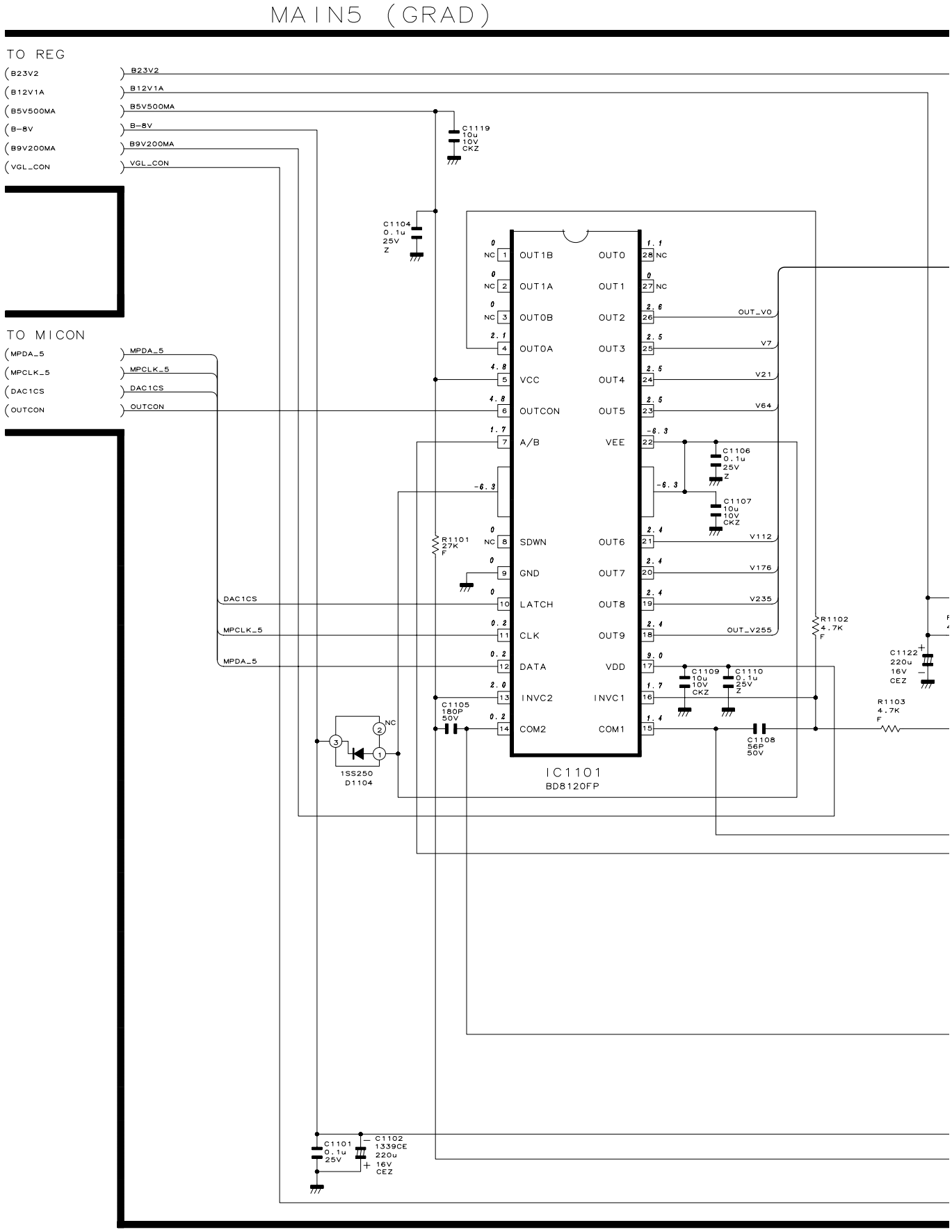
MAIN4 (DPS)

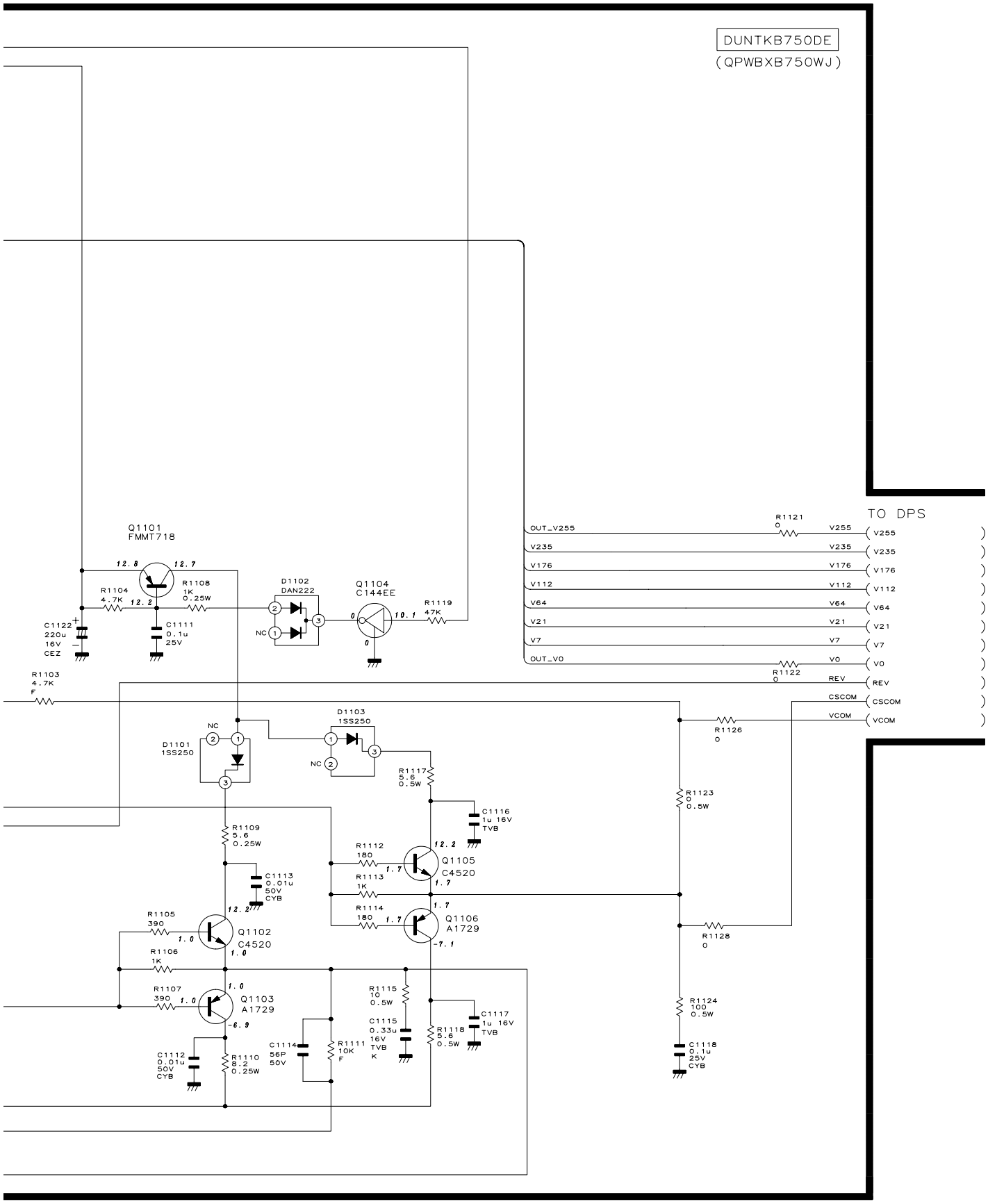




10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-5/7


MAIN5 (GRAD)
TO REG
B23V2
B12V1A
B5V500MA
B-8V
B9V200MA
VGL_CON
TO MICON
MPDA_5
MPCLK_5
DAC1CS
OUTCON
C1119 10u 10V CKZ
C1104 0.1u 25V Z
C1106 0.1u 25V Z
C1107 10u 10V CKZ
C1109 10u 10V CKZ
C1110 0.1u 25V Z
C1105 180P 50V
C1108 56P 50V
C1122 220u 16V CEZ
C1101 0.1u 25V
C1102 1339CE 220u 16V CEZ
R1101 27K F
R1102 4.7K F
R1103 4.7K F
1SS250 D1104
IC1101 BD8120FP
NC
OUT1B
OUT1A
OUT0B
OUT0A
VCC
OUTCON
A/B
SDWN
GND
LATCH
CLK
DATA
INVC2
COM2
OUT0
OUT1
OUT2
OUT3
OUT4
OUT5
VEE
OUT6
OUT7
OUT8
OUT9
VDD
INVC1
COM1
OUT_V0
V7
V21
V64
V112
V176
V235
OUT_V255


DUNTKB750DE
(QPWBXB750WJ)
TO DPS
Q1101
FMMT718
R1104
4.7K
R1108
1K
0.25W
C1122
220u
16V
CEZ
C1111
0.1u
25V
D1102
DAN222
Q1104
C144EE
R1119
47K
R1103
4.7K
F
D1101
1SS250
D1103
1SS250
R1117
5.6
0.5W
C1116
1u 16V
TVB
R1109
5.6
0.25W
C1113
0.01u
50V
CYB
R1112
180
Q1105
C4520
R1113
1K
R1114
180
Q1106
A1729
R1105
390
Q1102
C4520
R1106
1K
R1107
390
Q1103
A1729
C1112
0.01u
50V
CYB
R1110
8.2
0.25W
C1114
56P
50V
R1111
10K
F
C1115
0.33u
16V
TVB
K
R1115
10
0.5W
R1118
5.6
0.5W
C1117
1u 16V
TVB
R1121
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OUT_V255
V255
V235
V176
V112
V64
V21
V7
OUT_V0
R1122
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VCOM
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R1123
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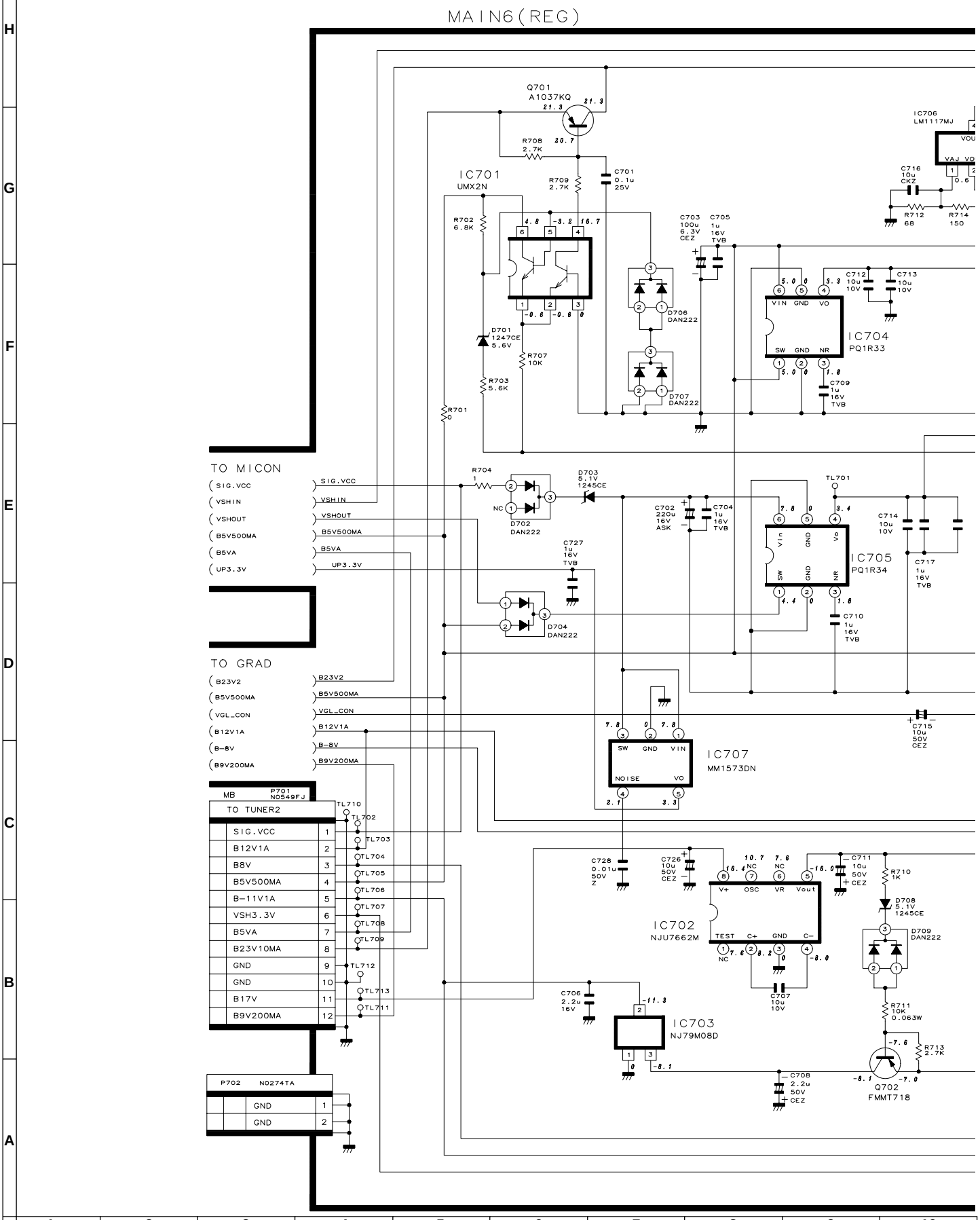
CYB

■ MAIN Unit-6/7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NJU7662M
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NJ79M08D
Q702
FMMT718
D701 1247CE 5.6V
D702 DAN222
D703 5.1V 1245CE
D704 DAN222
D706 DAN222
D707 DAN222
D708 5.1V 1245CE
D709 DAN222
TO MICON
SIG.VCC
VSHIN
VSHOUT
B5V500MA
B5VA
UP3.3V
TO GRAD
B23V2
B5V500MA
VGL_CON
B12V1A
B-8V
B9V200MA
MB P701 N0549FJ
TO TUNER2
SIG.VCC 1
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B8V 3
B5V500MA 4
B-11V1A 5
VSH3.3V 6
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B17V 11
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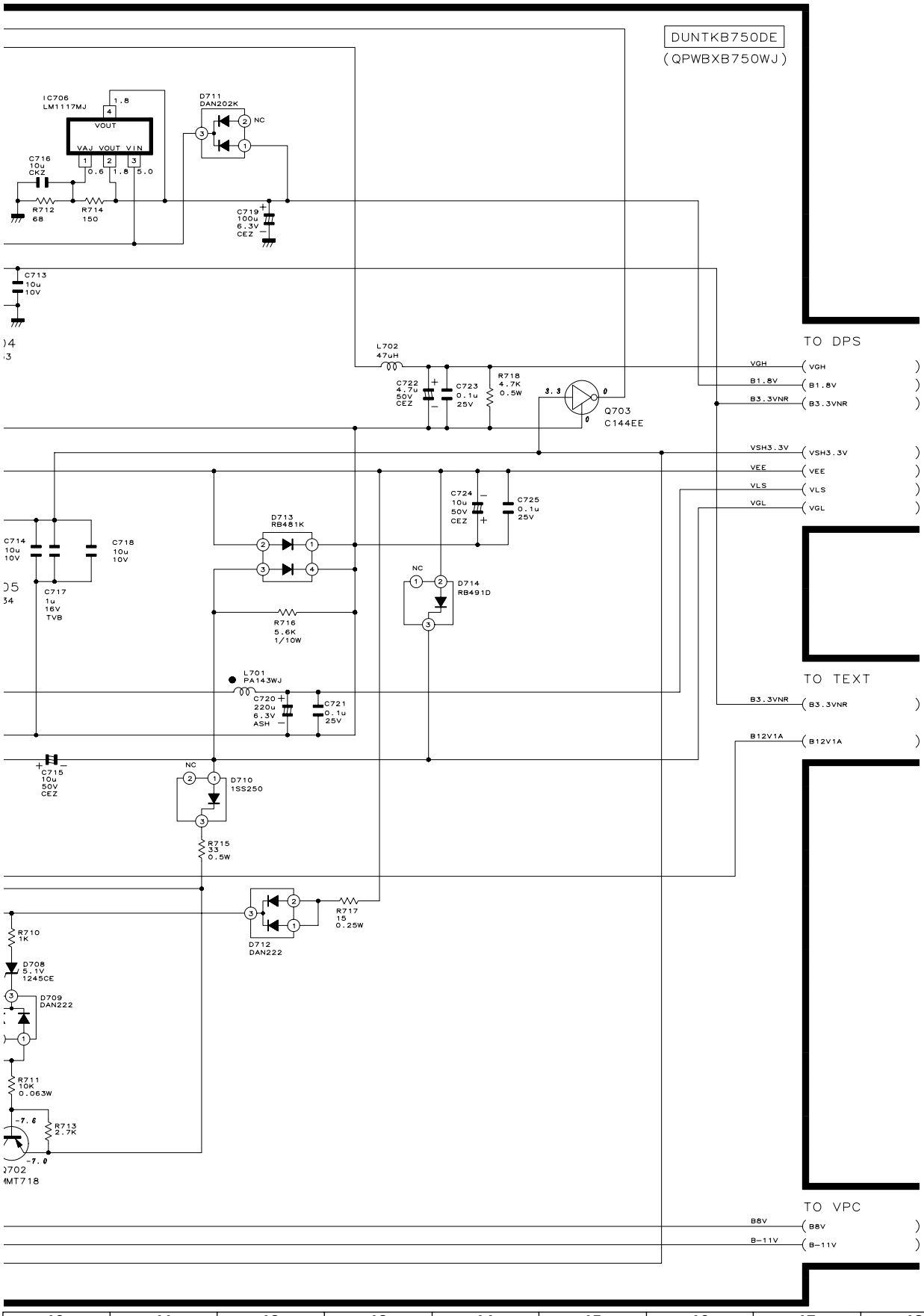
GND 1
GND 2



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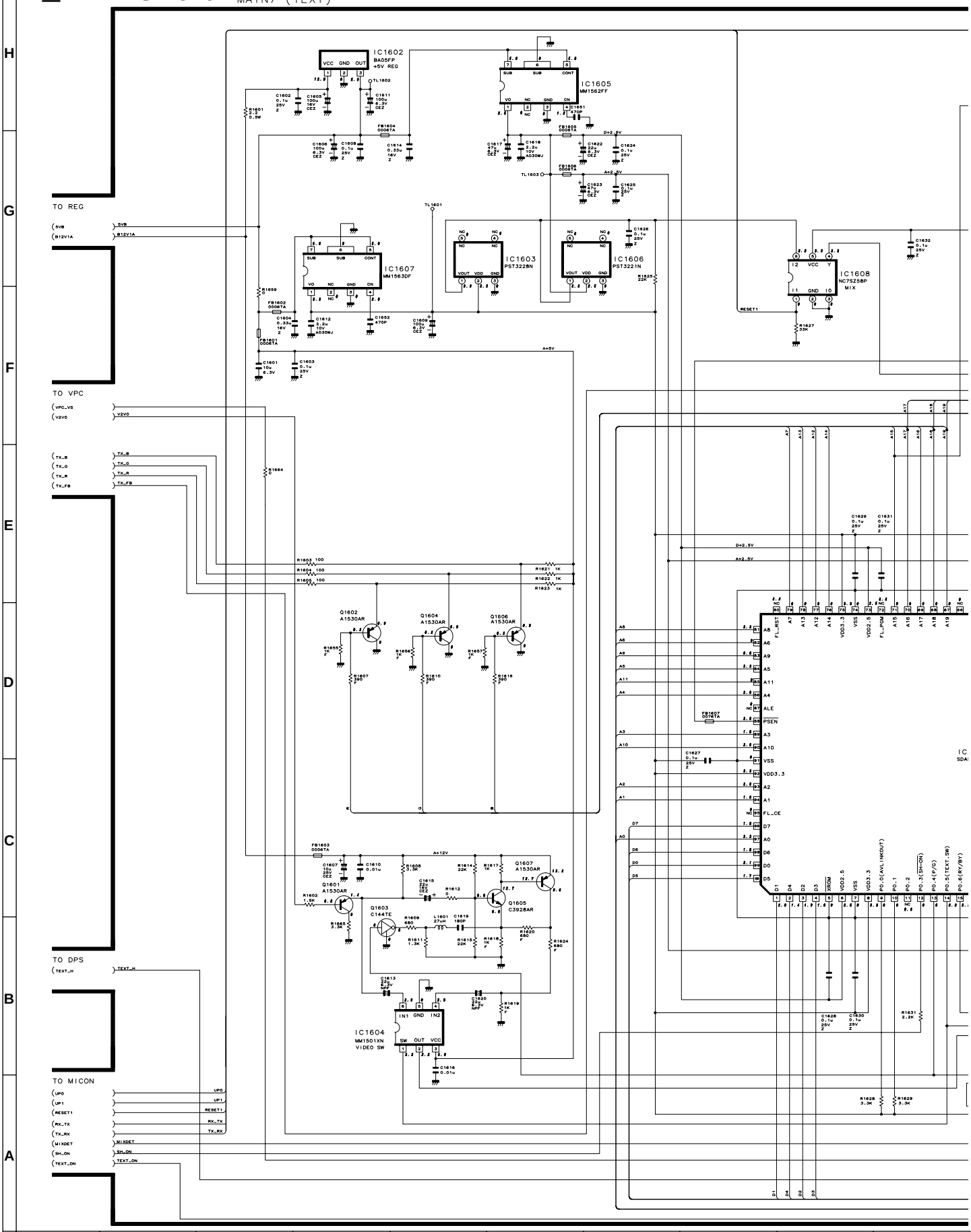
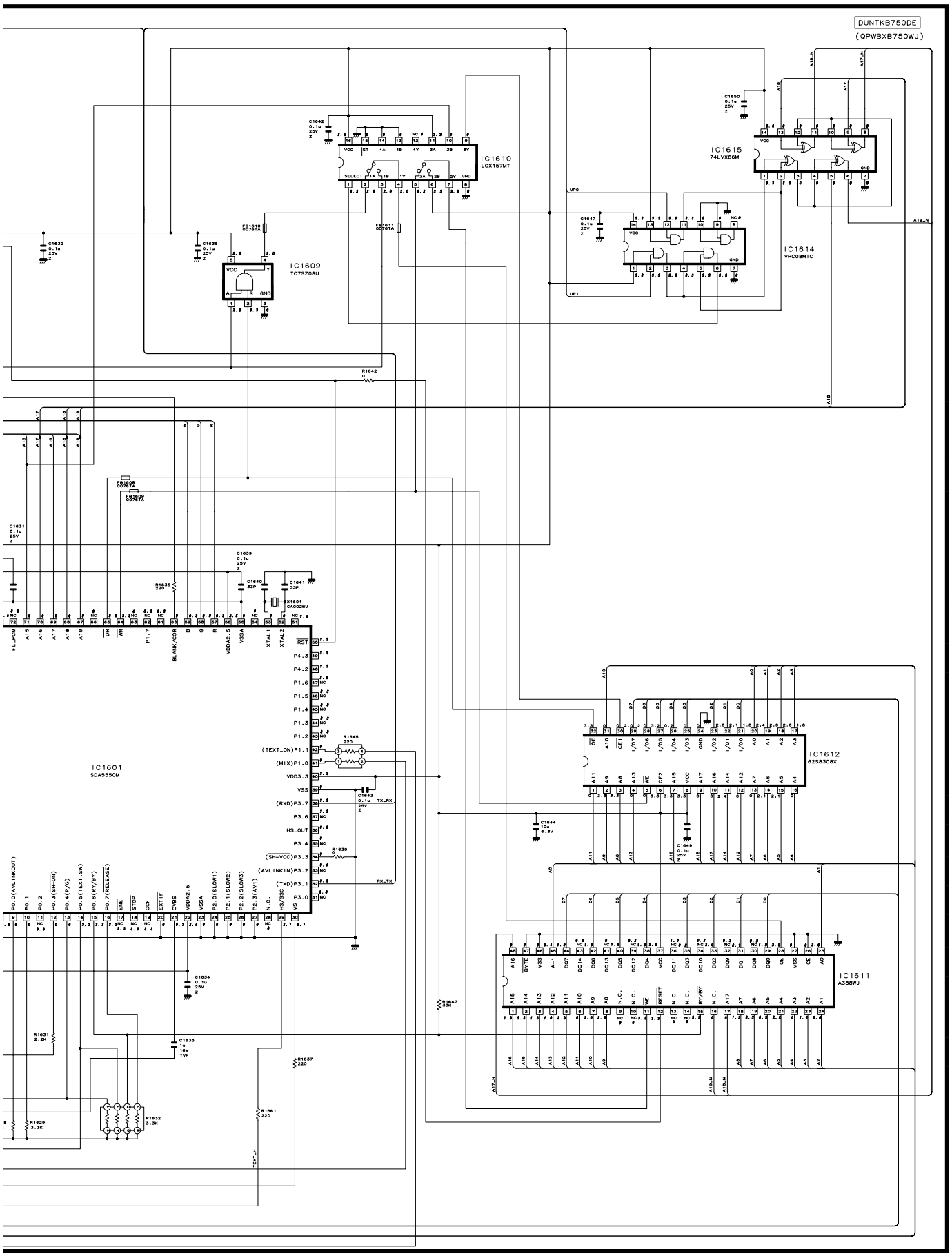
■ MAIN Unit-7/7 MAIN7 (TEXT)





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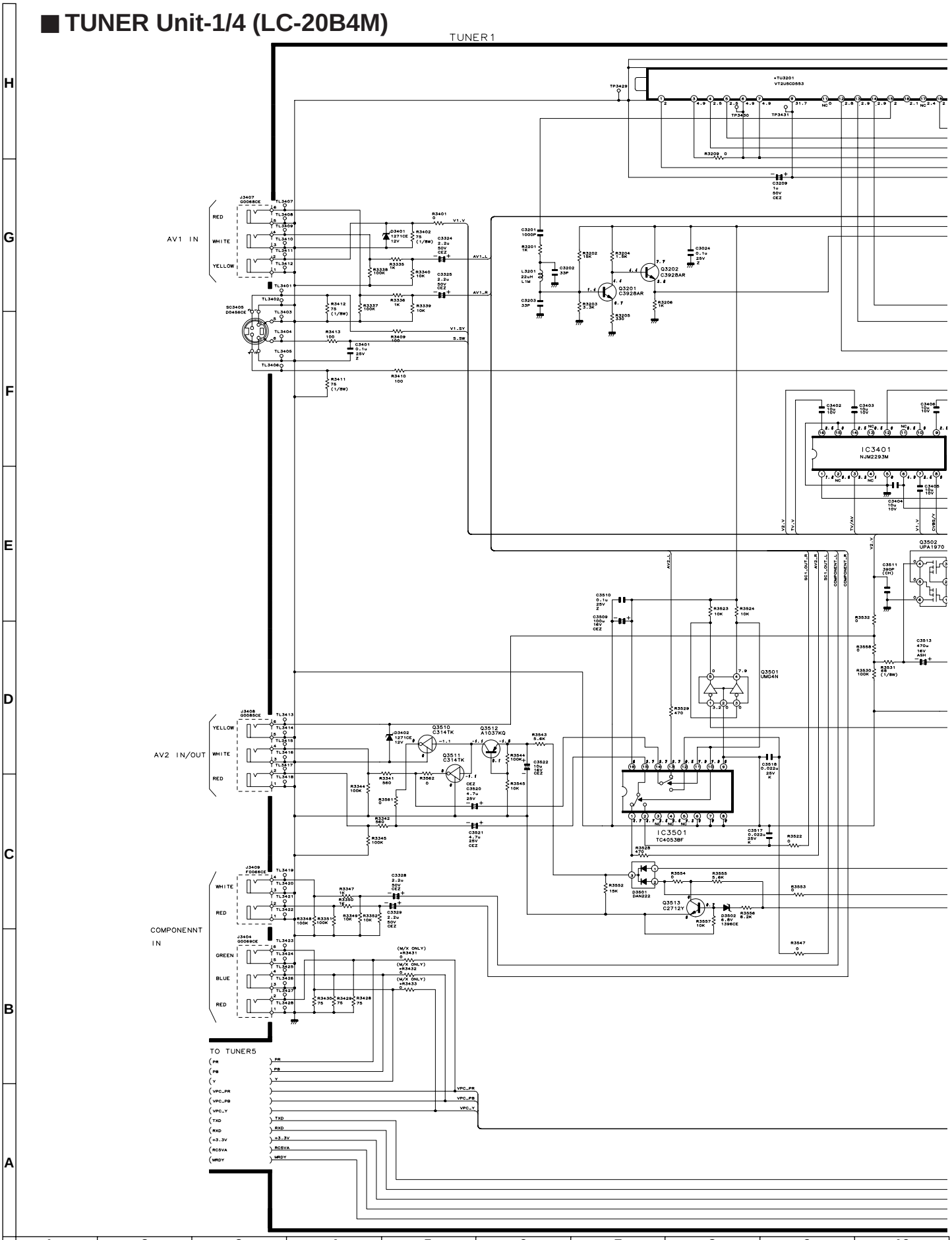
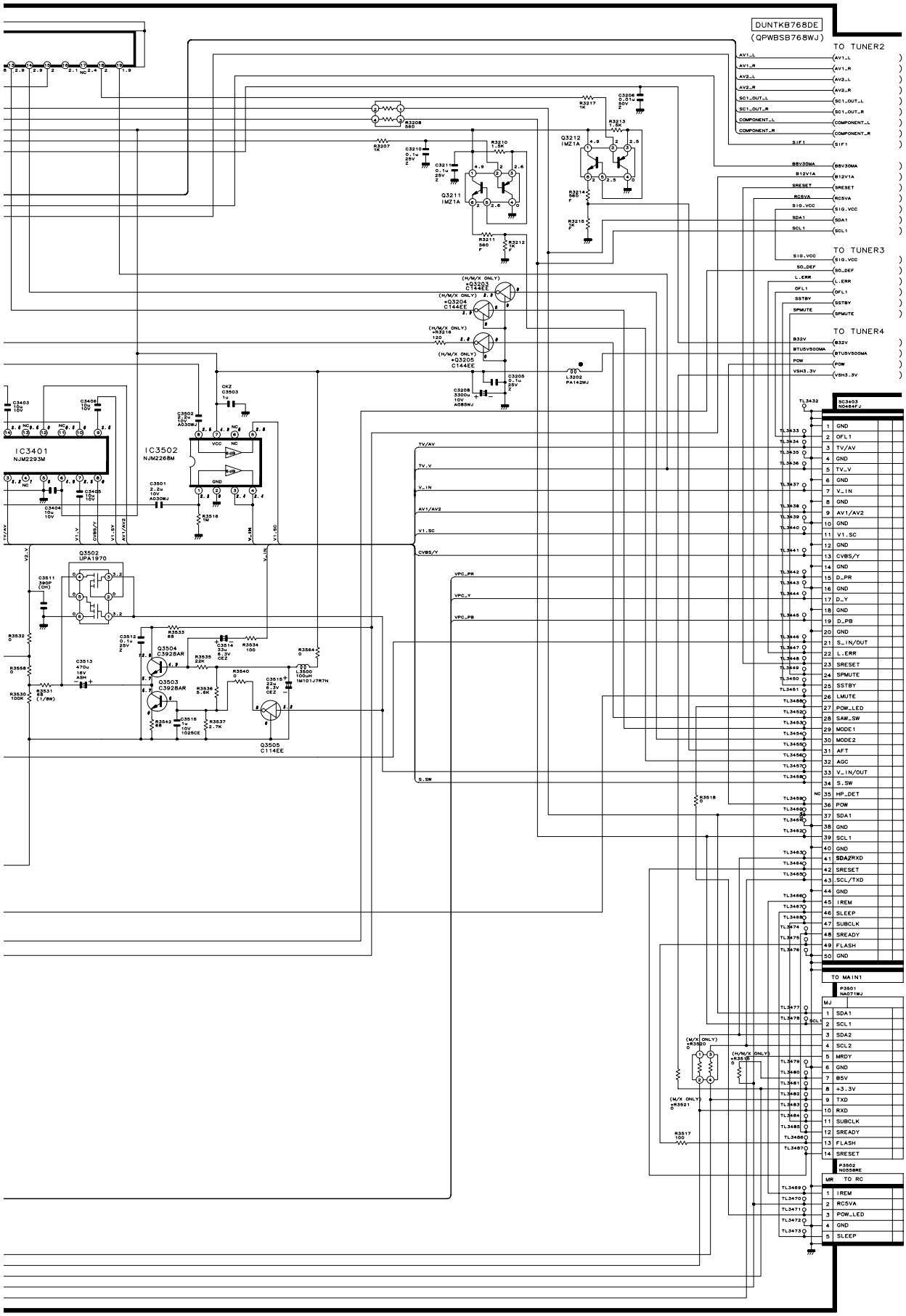
■ TUNER Unit-1/4 (LC-20B4M)





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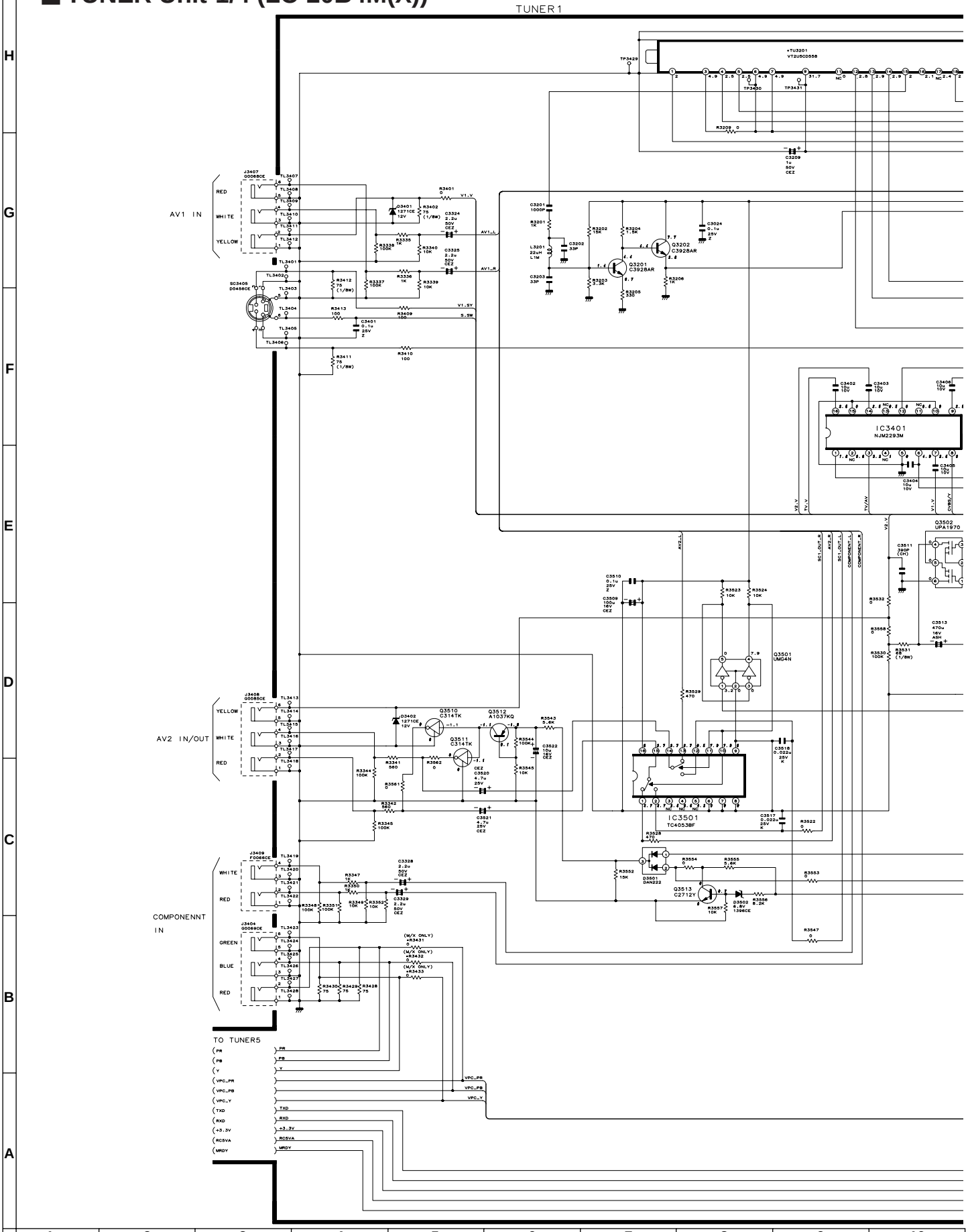
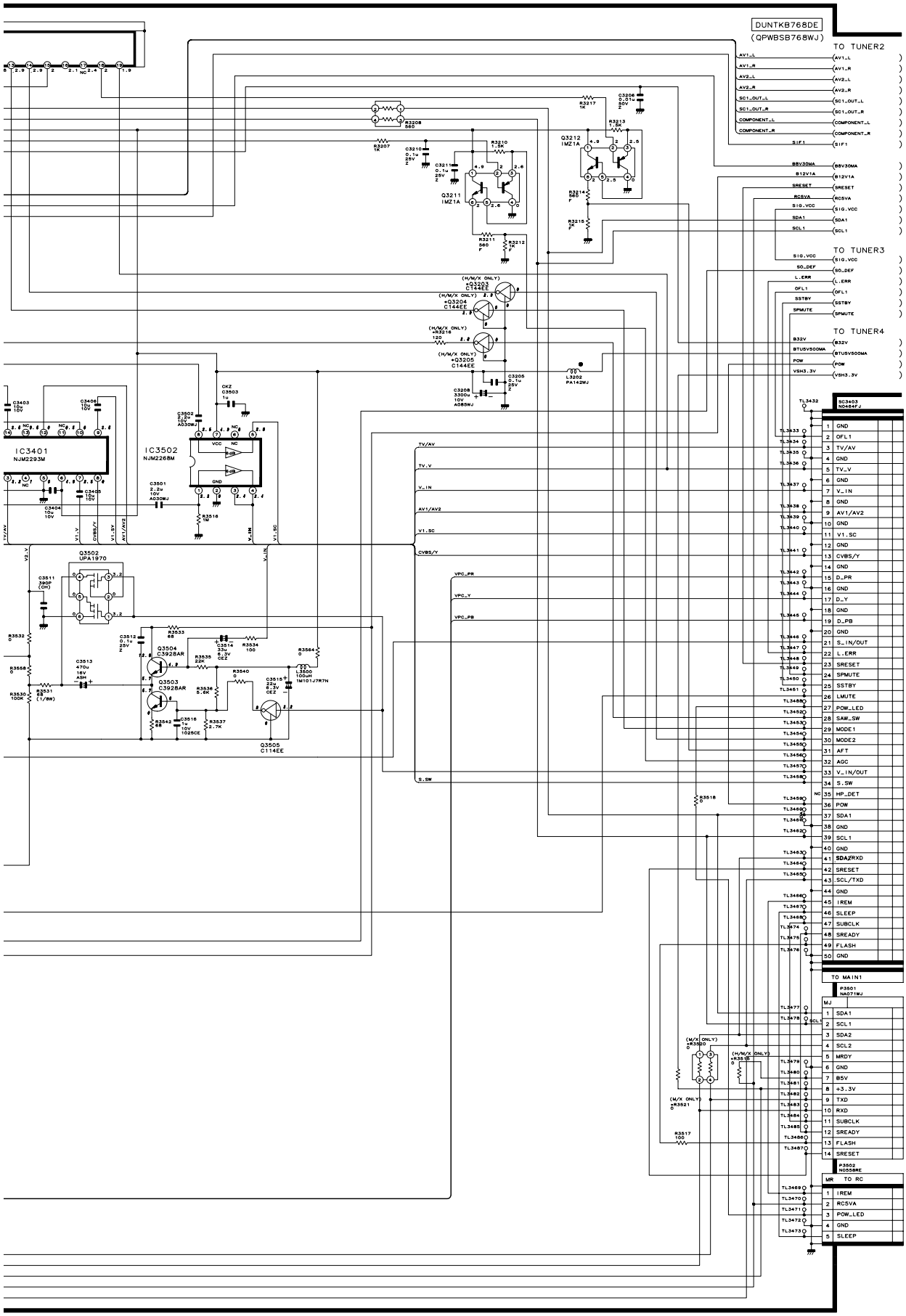
■ TUNER Unit-1/4 (LC-20B4M(X))





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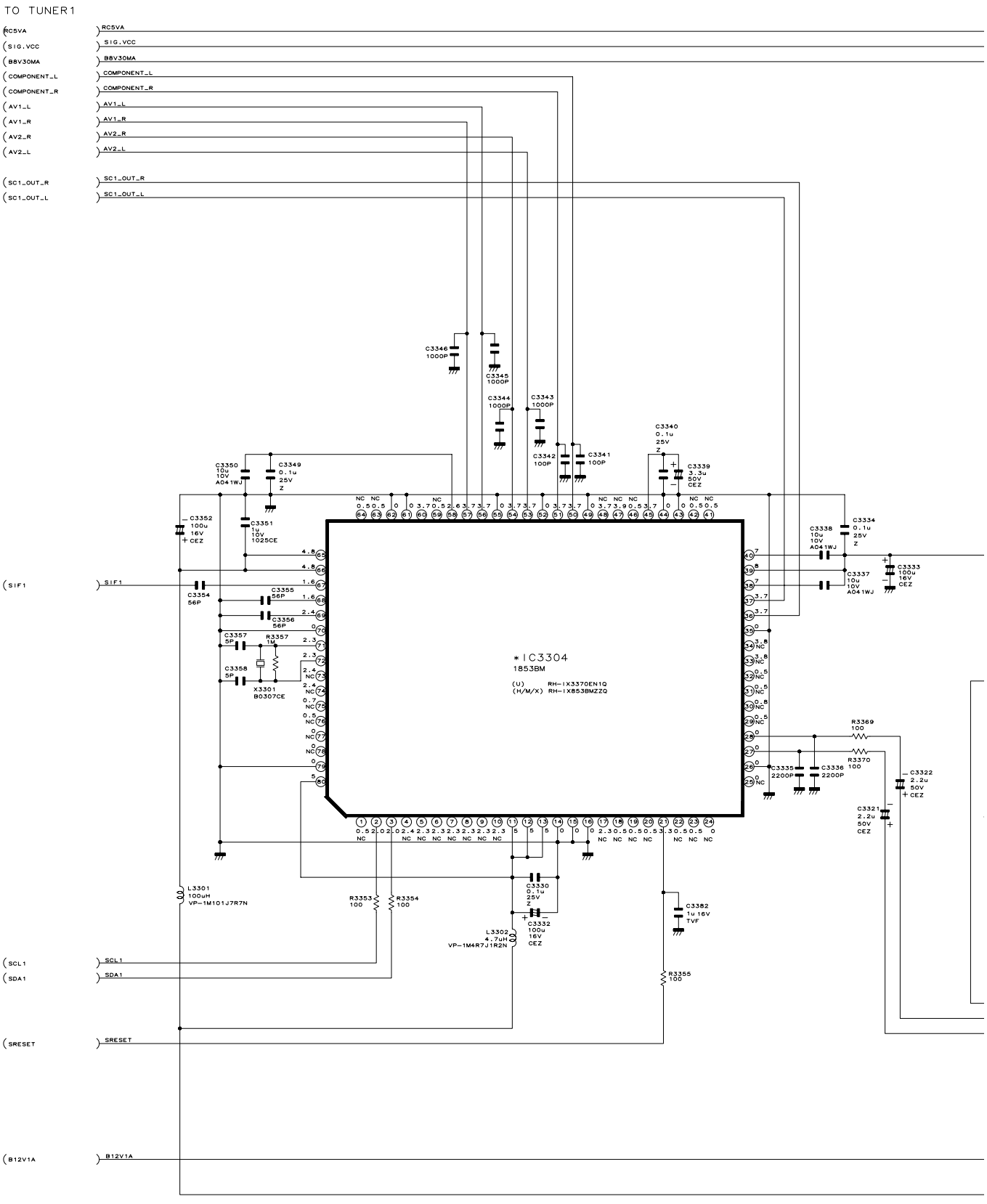
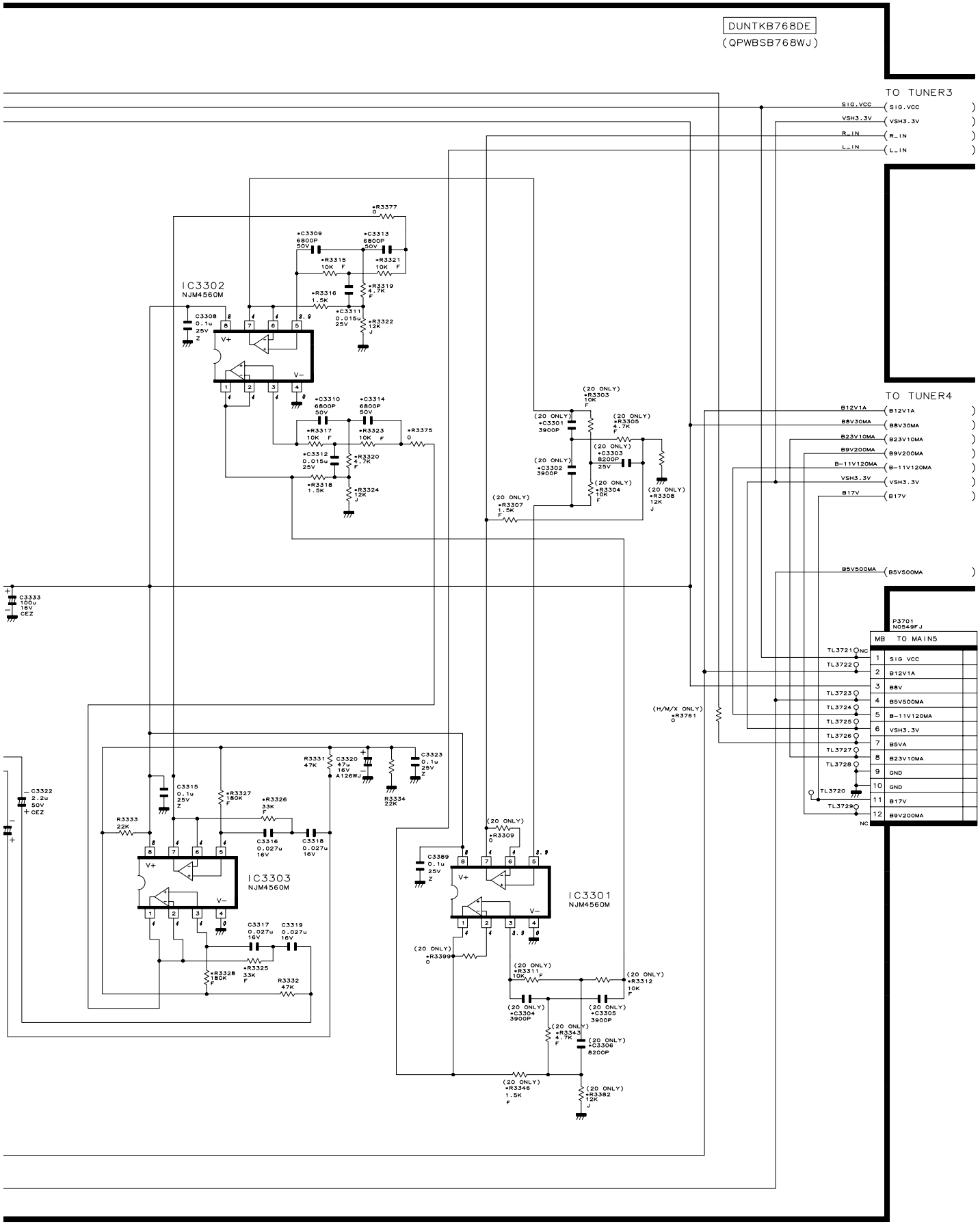
■ TUNER Unit-2/4

TUNER2 (MSP)





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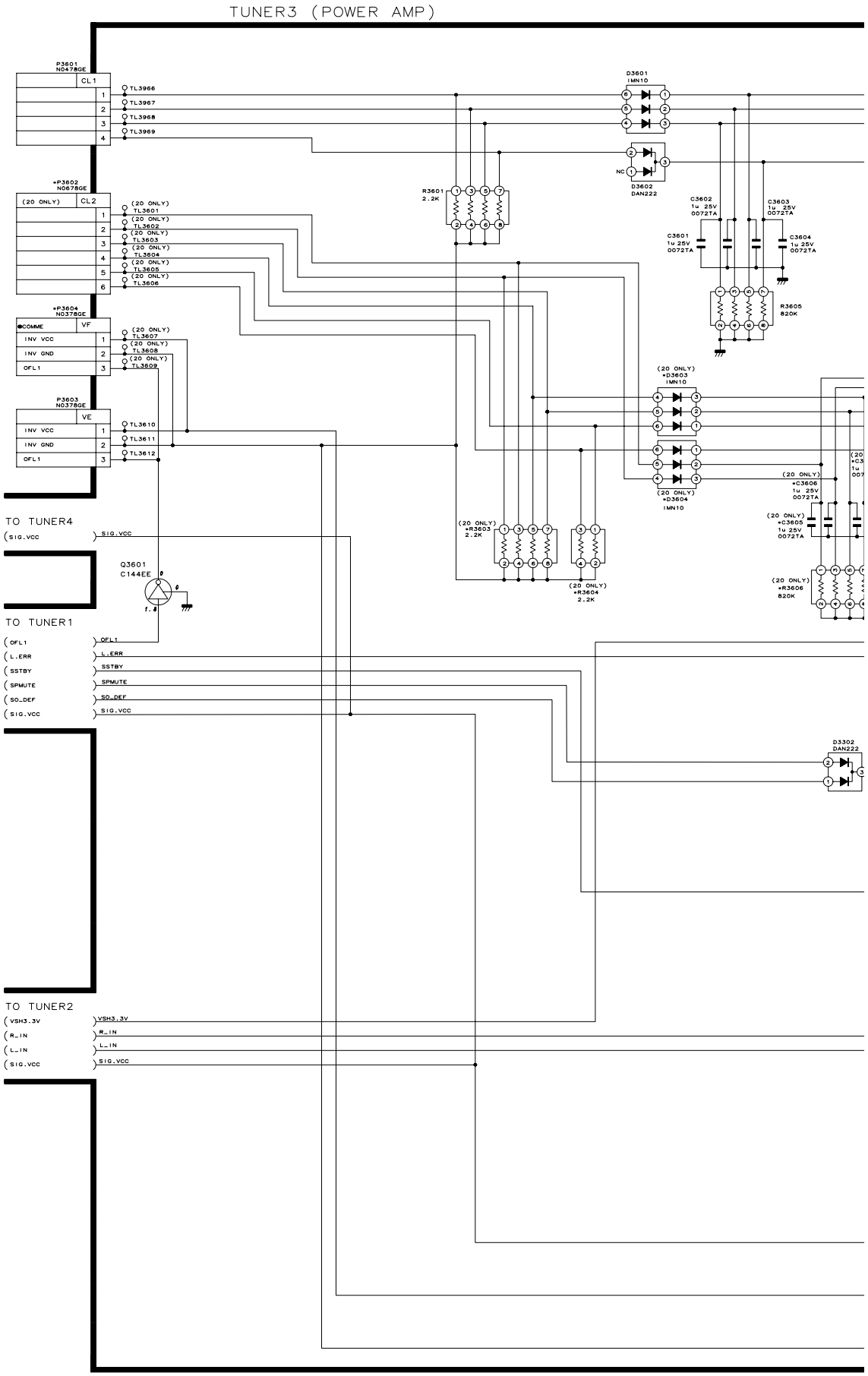
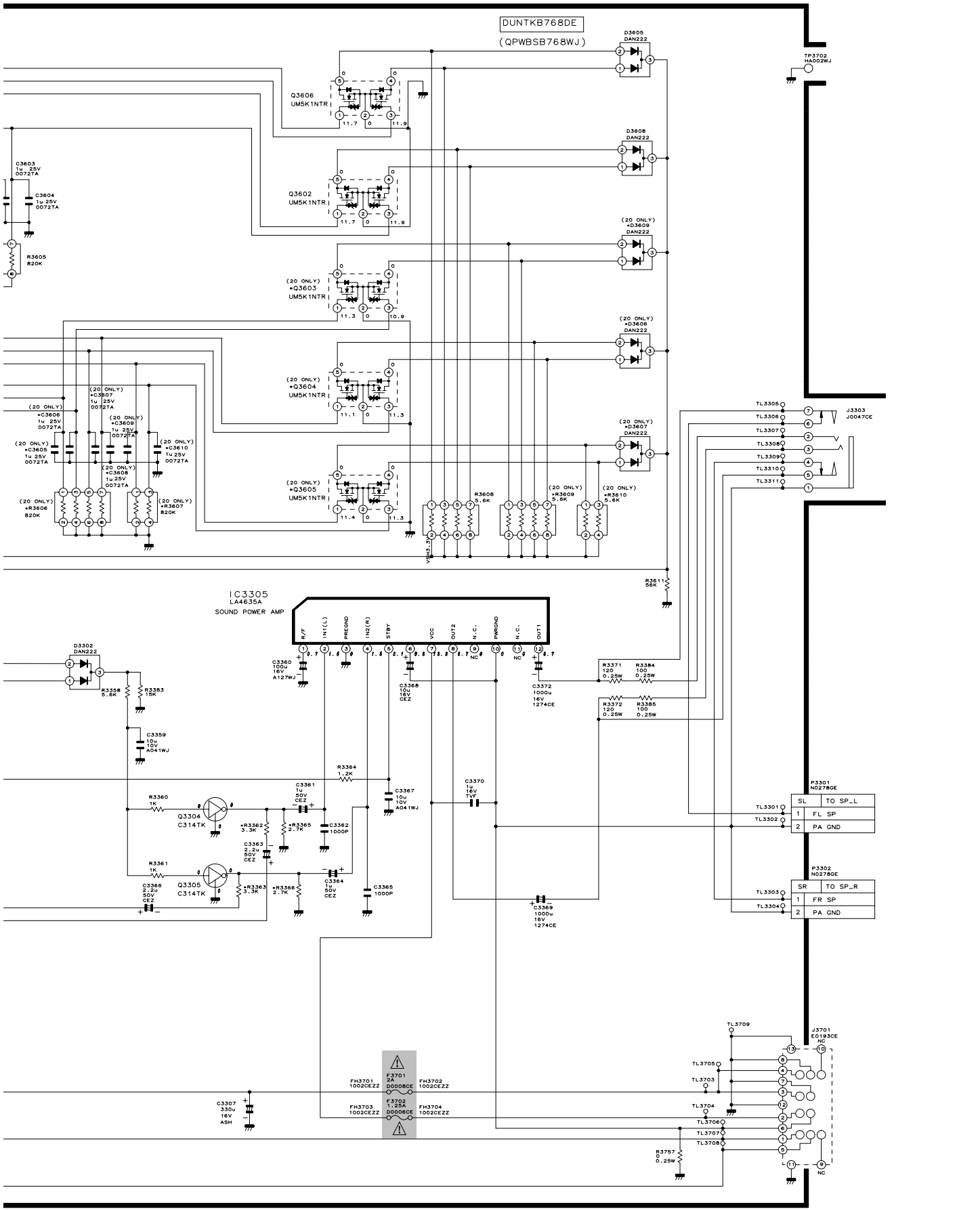
■ TUNER Unit-3/4





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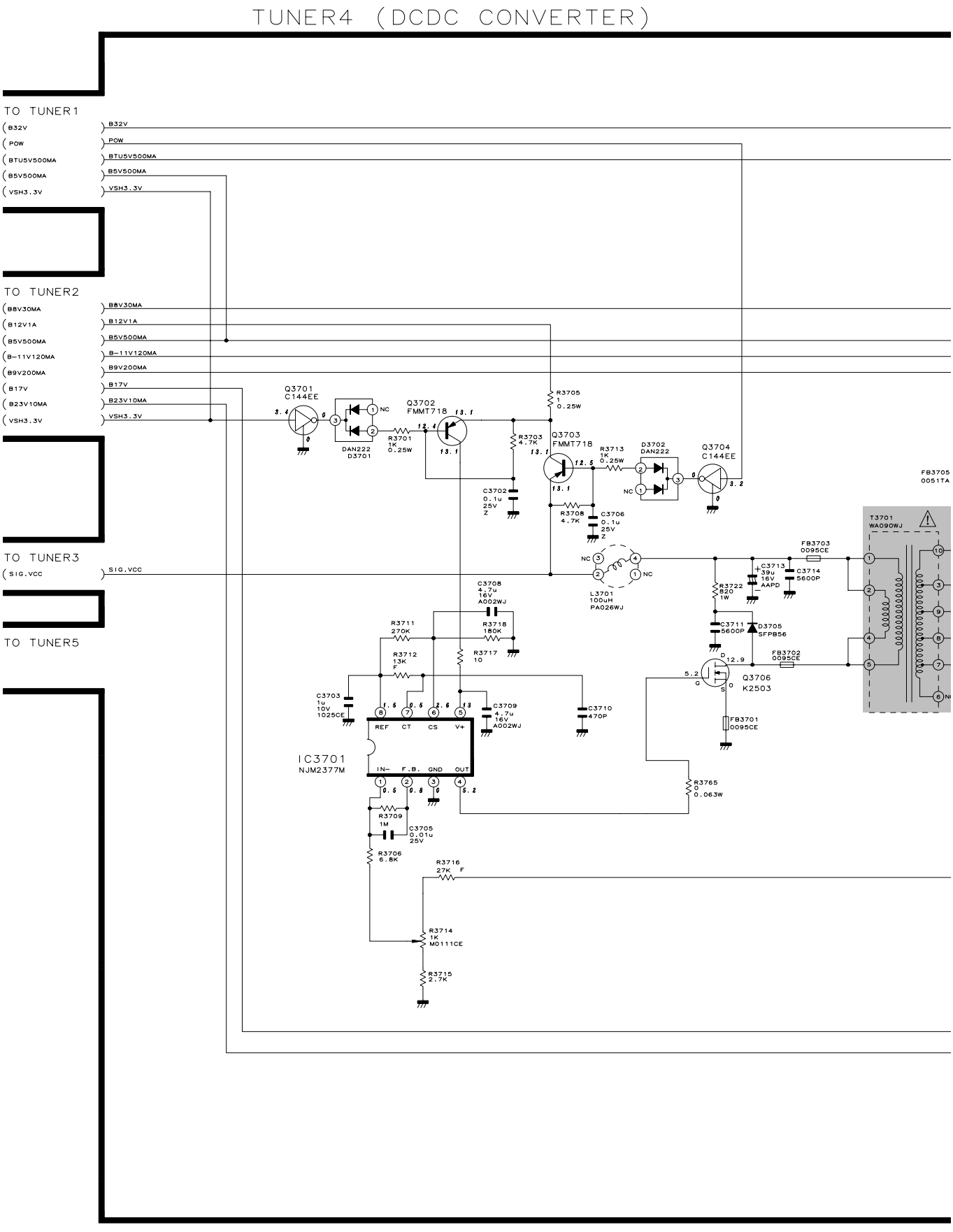
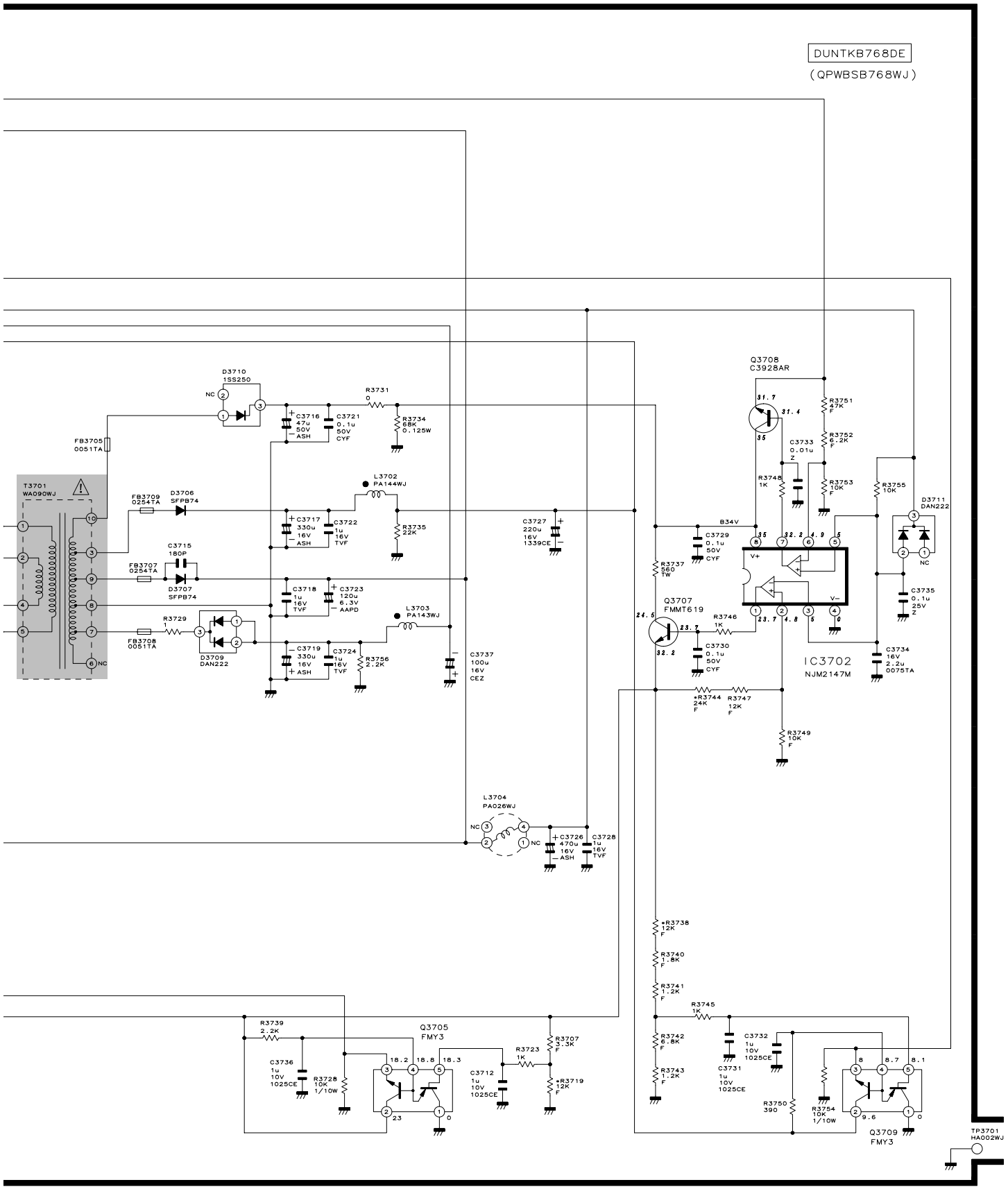
■ TUNER Unit-4/4





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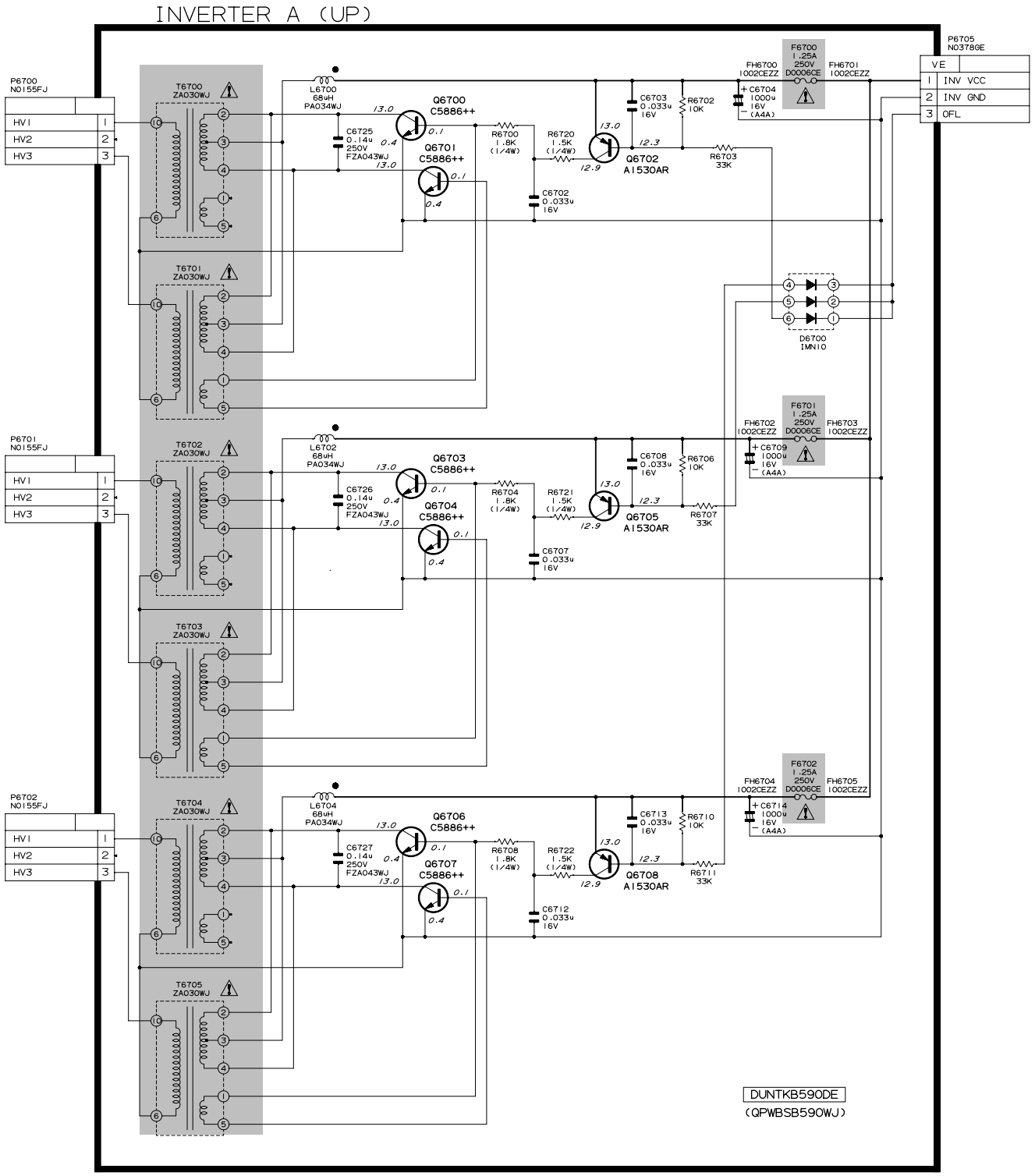
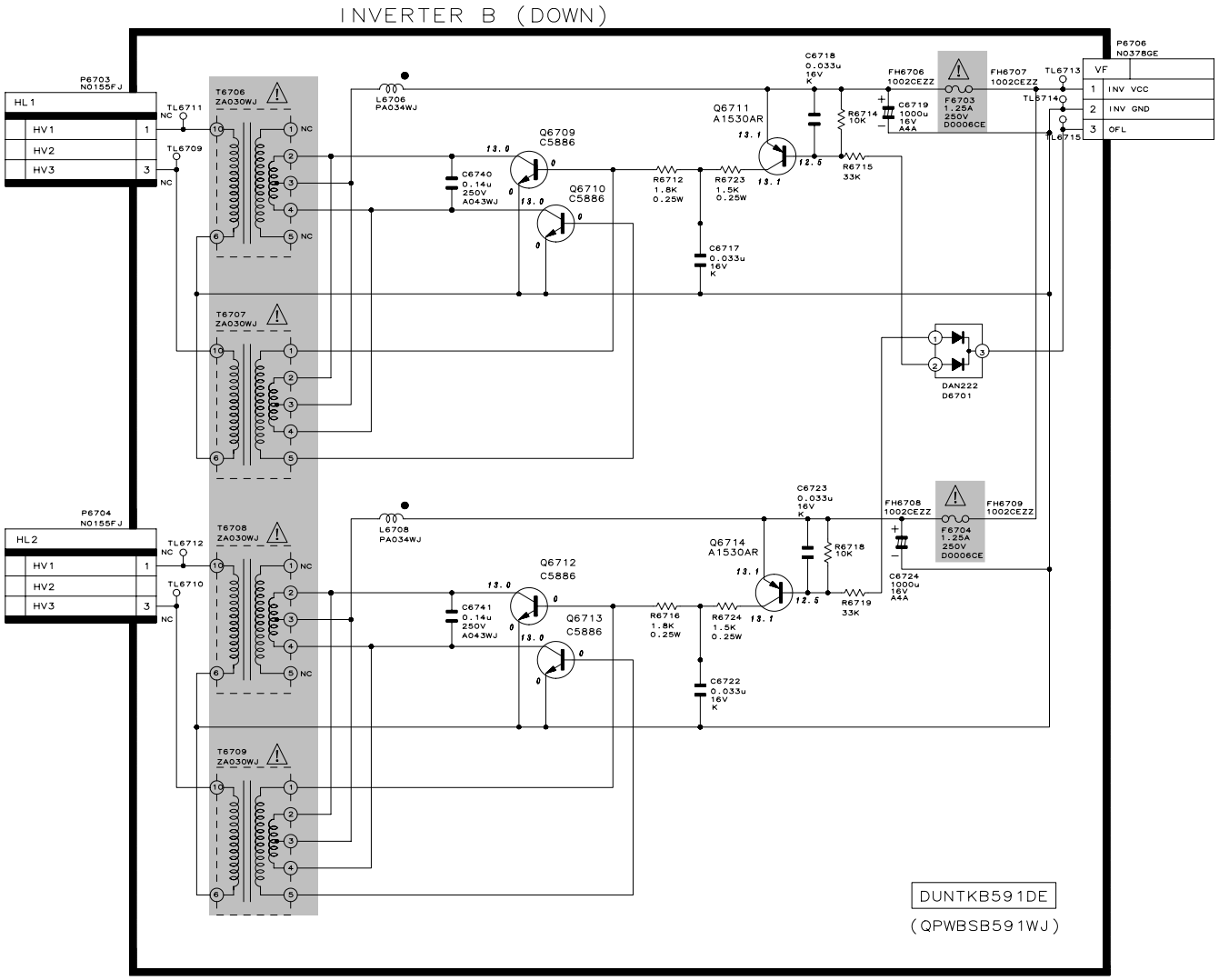
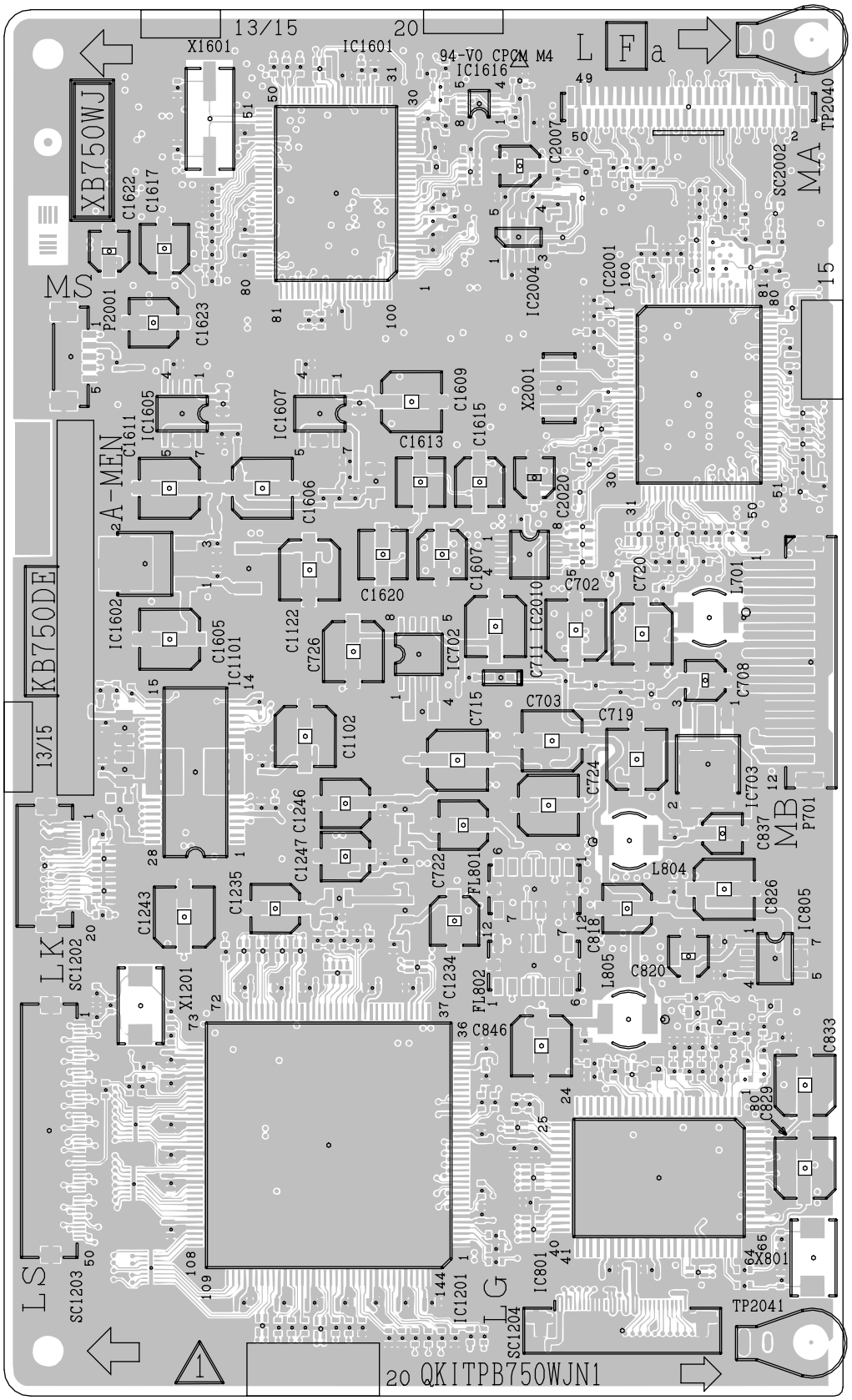
■ INVERTER-A Unit



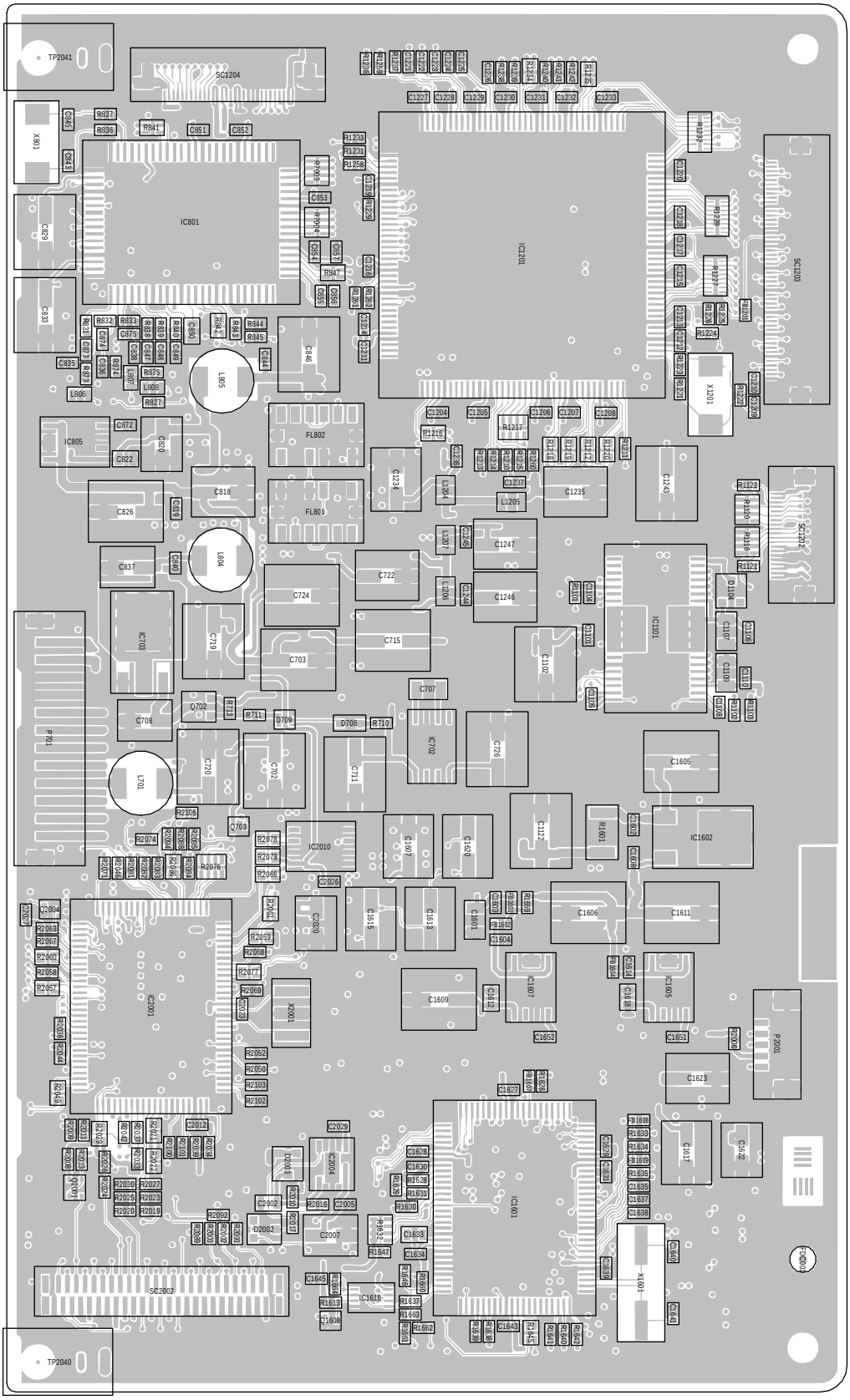
■ INVERTER-B Unit



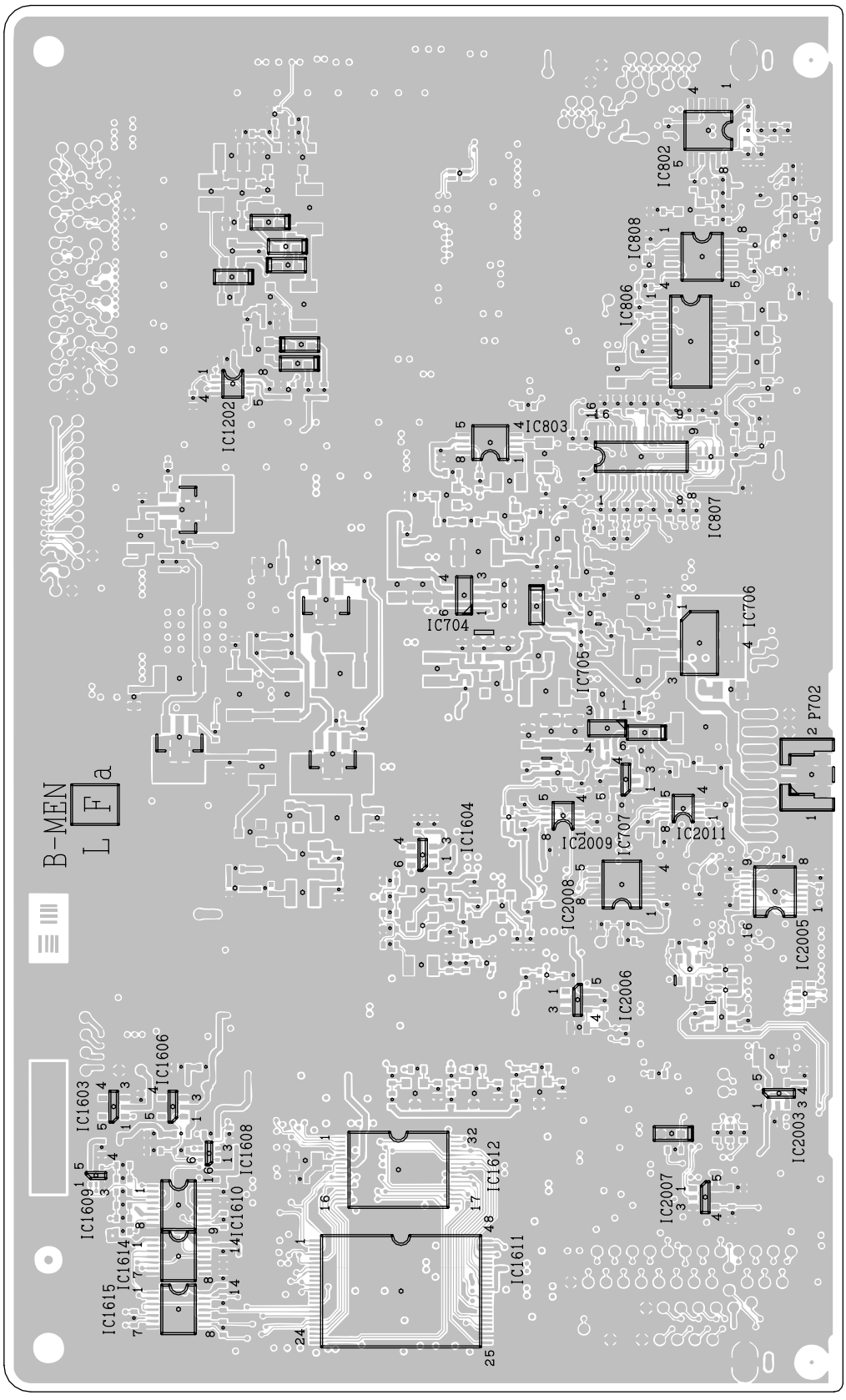
PRINTED WIRING BOARD ASSEMBLIES



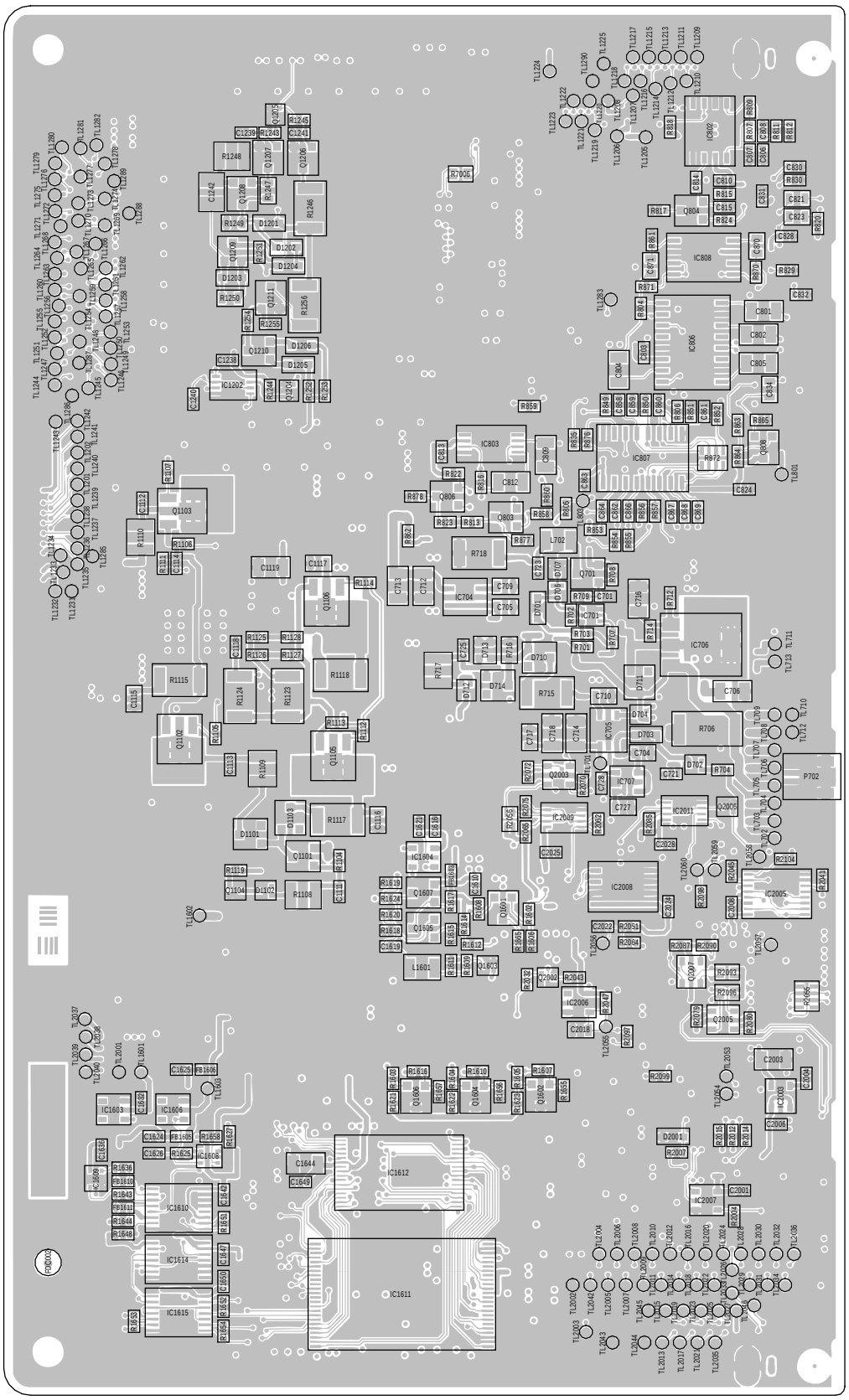
MAIN Unit (Side-A)



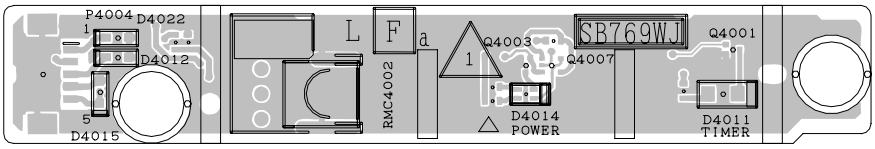
MAIN Unit (Chip Parts Side-A)



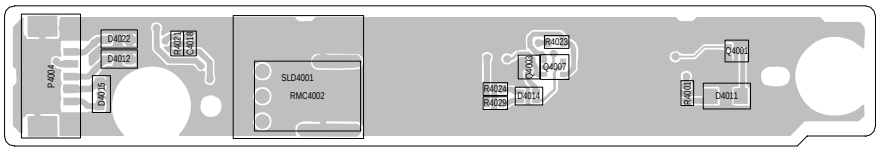
MAIN Unit (Side-B)



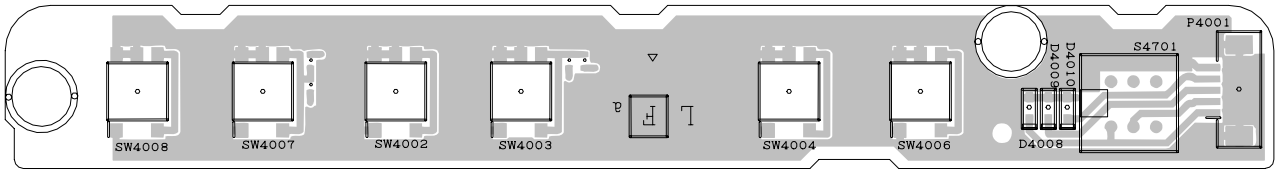
MAIN Unit (Chip Parts Side-B)



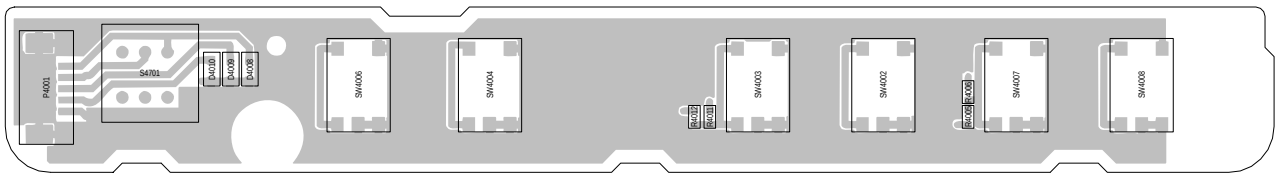
R/C, LED Unit (Side-A)



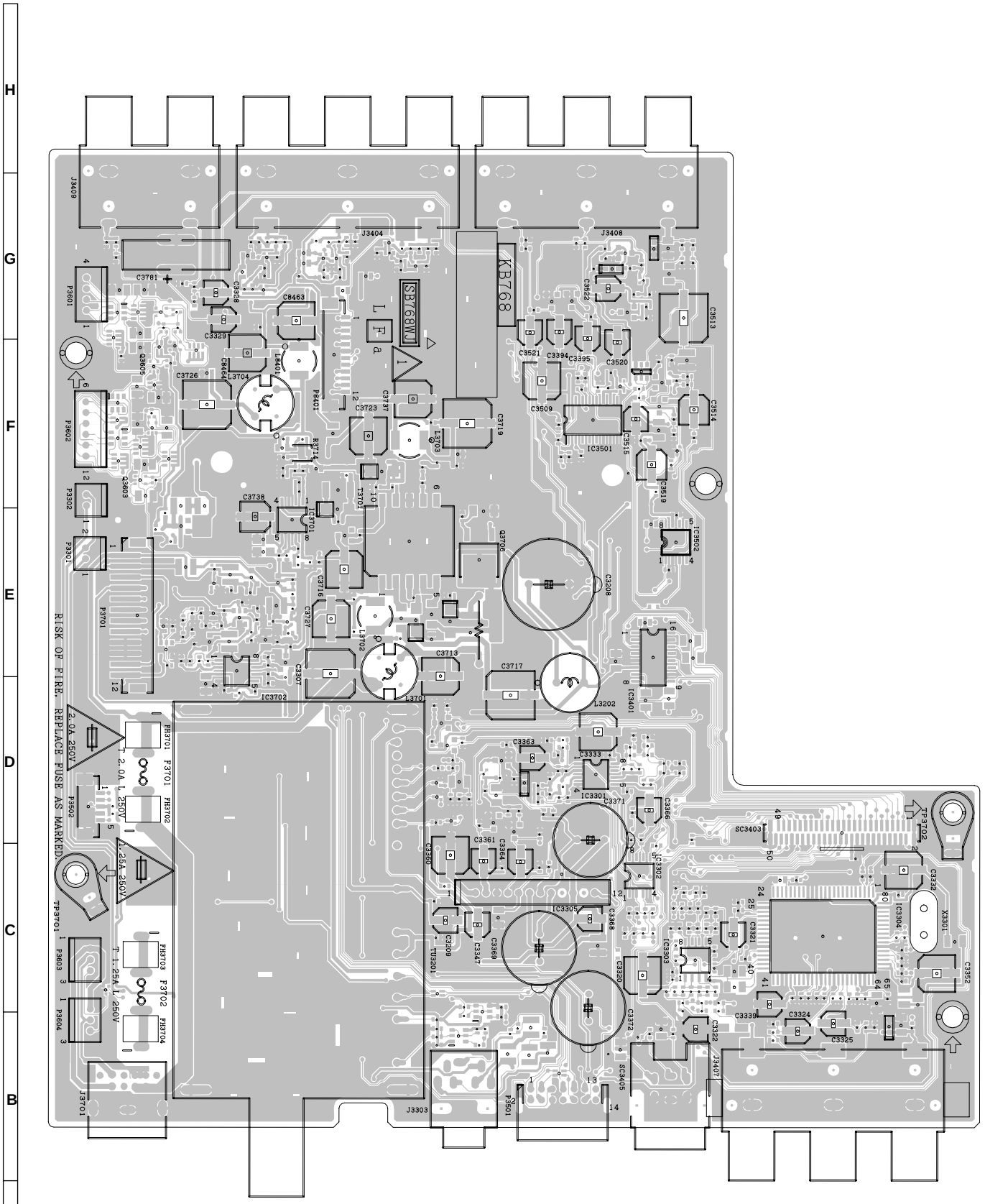
R/C, LED Unit (Chip Parts Side-A)



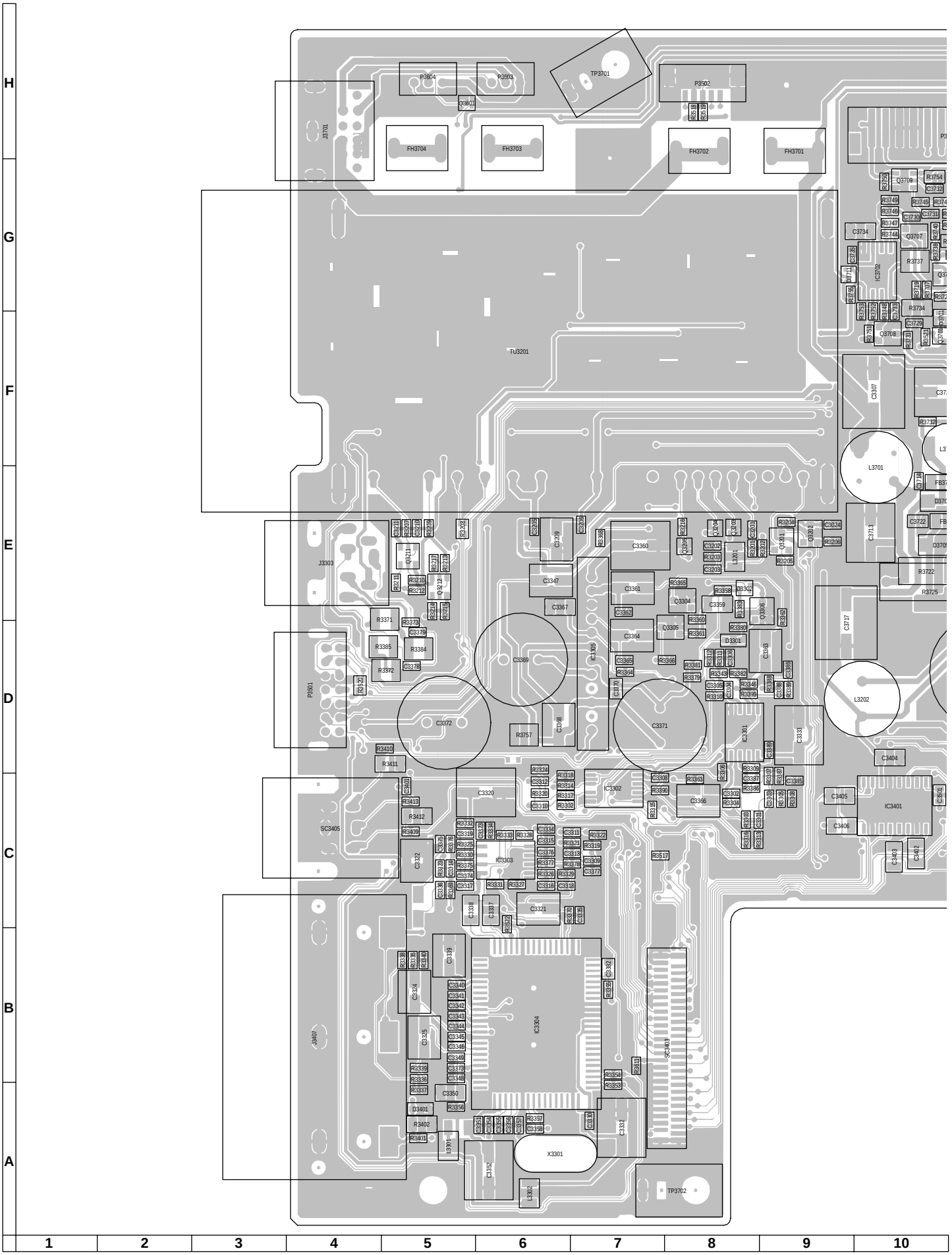
OPERATION Unit (Side-A)
(QPWBSB770WJN2)



OPERATION Unit (Chip Parts Side-A)
(QPWBSB770WJN2)



TUNER Unit (Side-A)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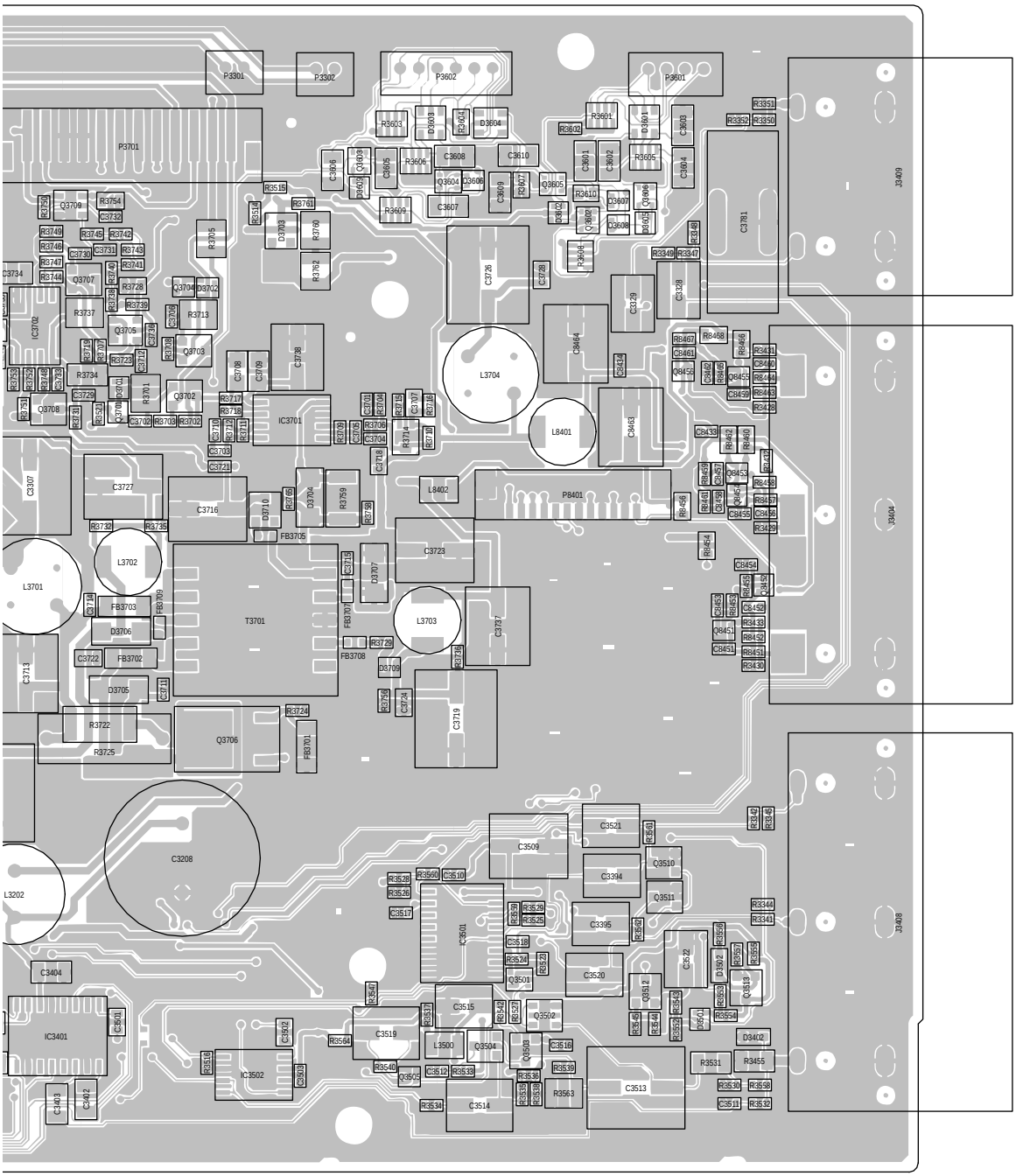
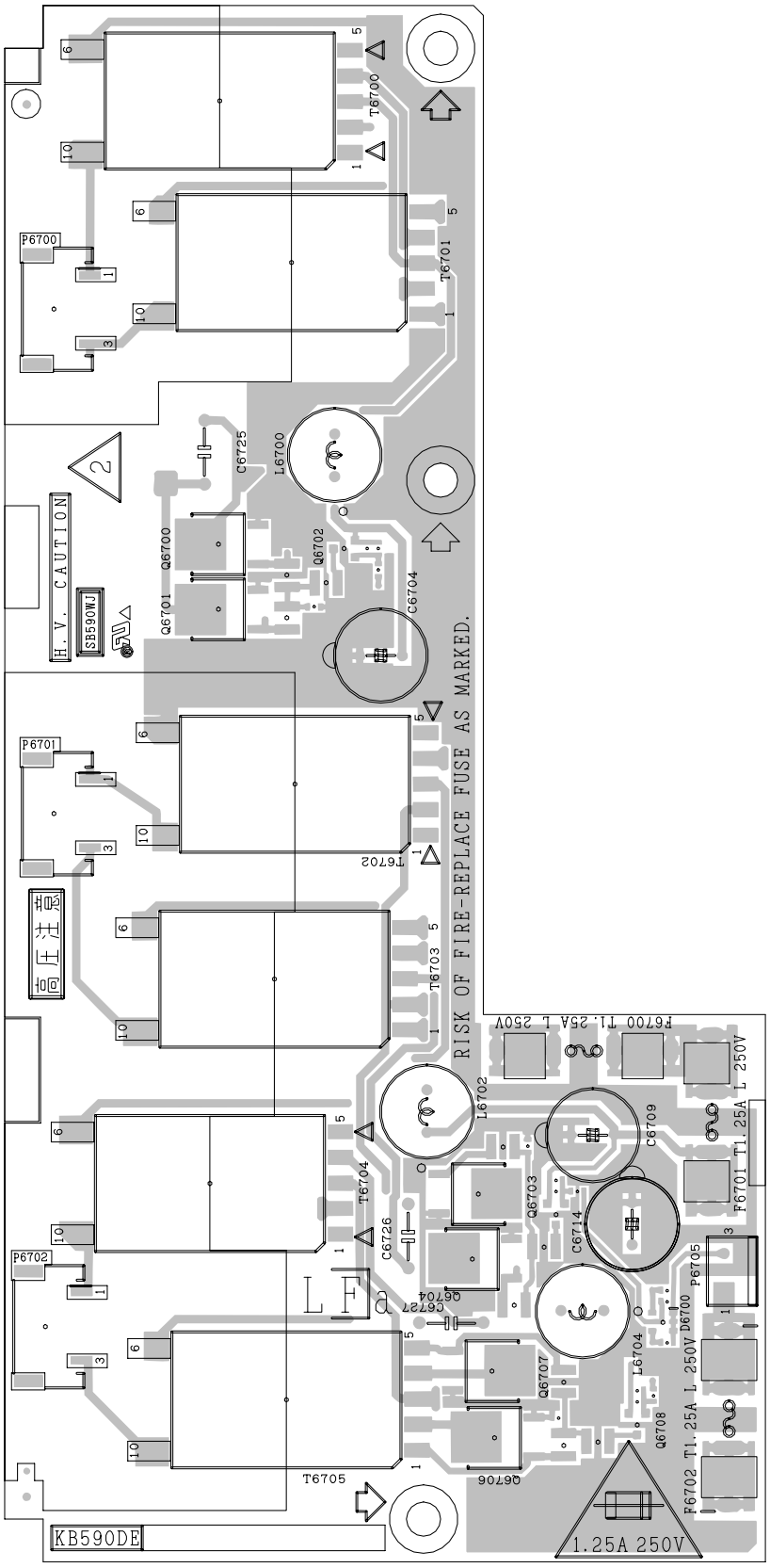
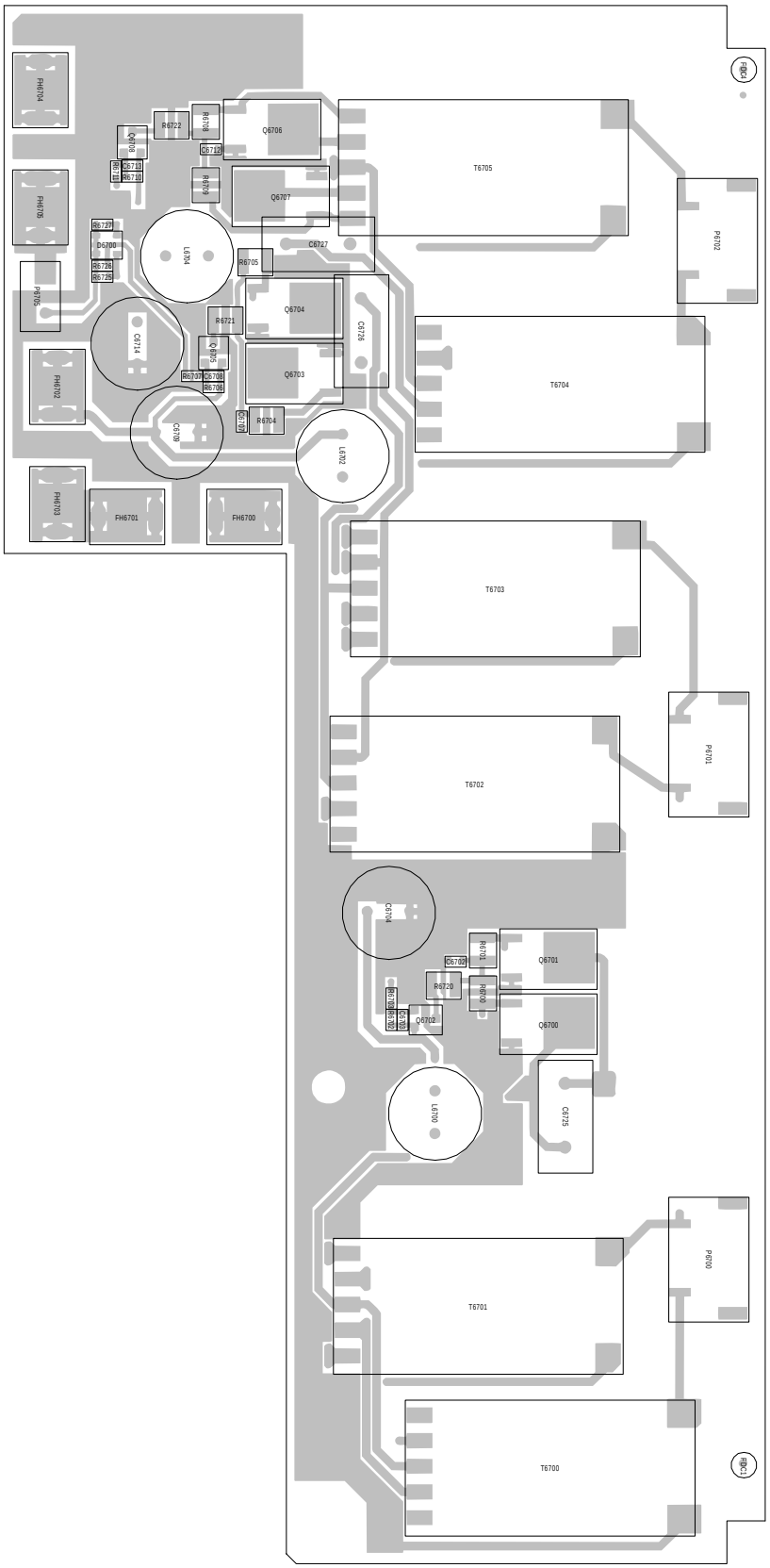


TUNER Unit (Chip Parts Side-A)

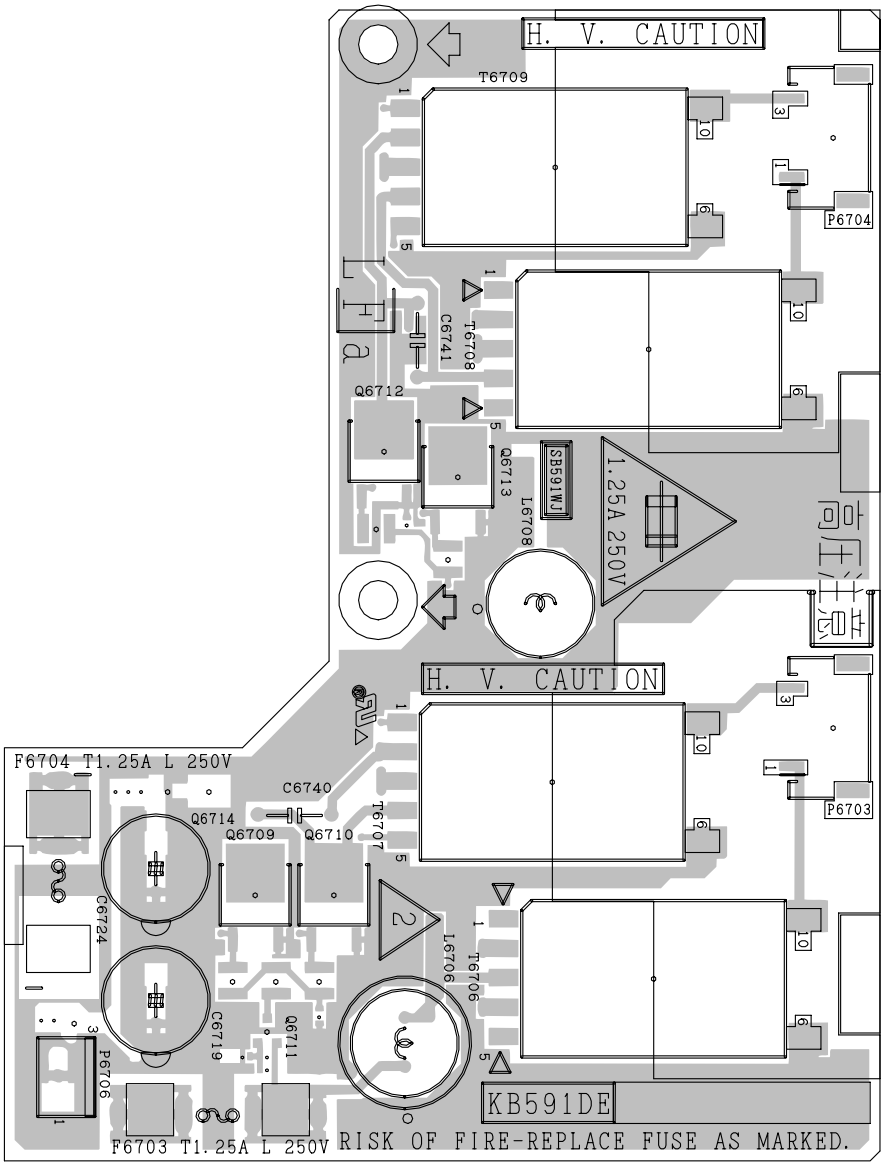
10	11	12	13	14	15	16	17	18	19



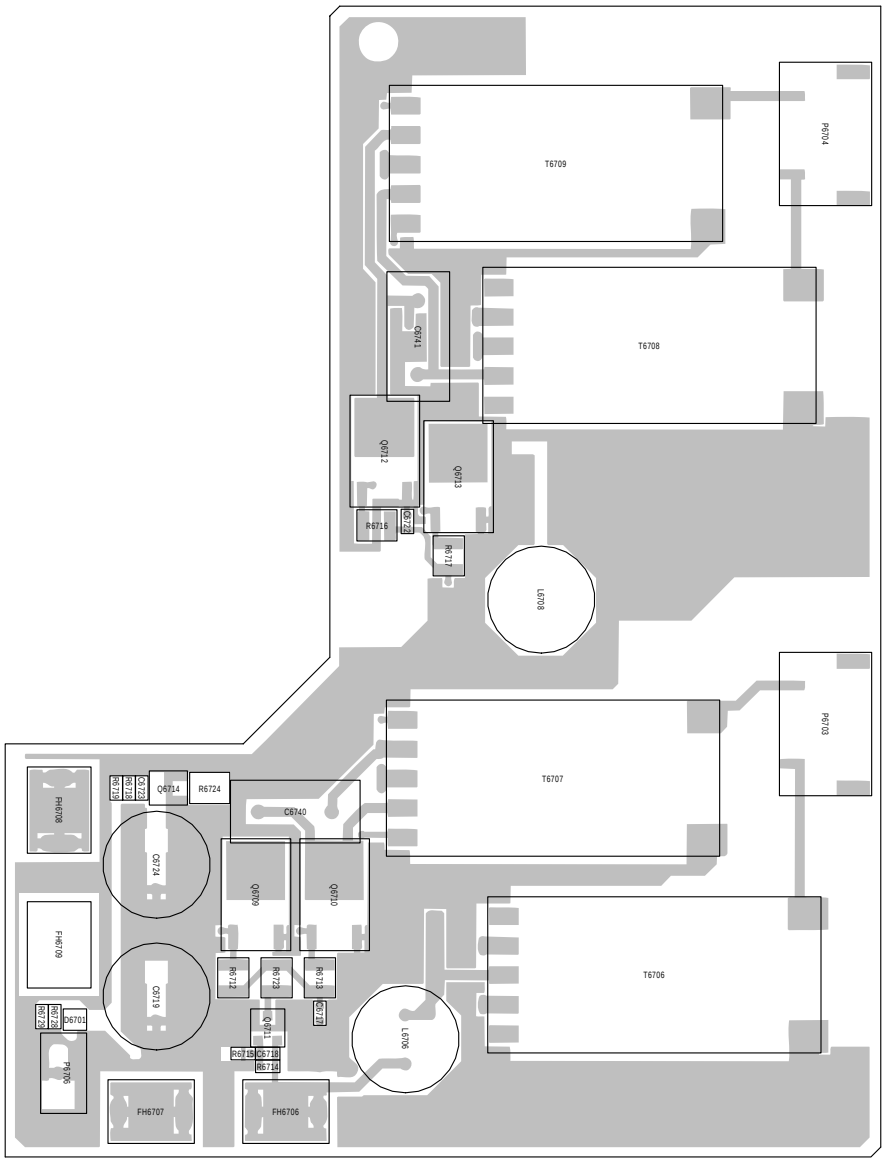
INVERTER-A Unit (Side-A)



INVERTER-A Unit (Chip Parts Side-A)



INVERTER-B Unit (Side-A)



INVERTER-B Unit (Chip Parts Side-A)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

LC-20B4M

DUNTKB750FE06	–	MAIN Unit	—
DUNTKB768DE09	–	TUNER Unit	—
DUNTKB769DE09	–	R/C, LED Unit	—
DUNTKB770DE09	–	OPERATION Unit	—
DUNTKB590DE02	–	INVERTER-A Unit	—
DUNTKB591DE02	–	INVERTER-B Unit	—

LC-20B4M(X)

DUNTKB750FE06	–	MAIN Unit	—
DUNTKB768DE12	–	TUNER Unit	—
DUNTKB769DE12	–	R/C, LED Unit	—
DUNTKB770DE12	–	OPERATION Unit	—
DUNTKB590DE02	–	INVERTER-A Unit	—
DUNTKB591DE02	–	INVERTER-B Unit	—

LCD PANEL

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDTA014WJN1	J	20" LCD Panel Unit	DM

Ref. No.	Part No.	★	Description	Code

DUNTKB750FE06

MAIN UNIT

INTEGRATED CIRCUITS

IC701	VSUMX2N++++-1Y	J	UMX2N	AB
IC702	VHiNJU7662M-1Y	J	NJU7662M(TE2)	AL
IC703	VHiNJ79M08D-1Y	J	NJM79M08DL1A	AF
IC704	VHiPQ1R33//-1Y	J	PQ1R33	AE
IC705	VHiPQ1R34++-1Y	J	PQ1R34	AE
IC706	VHiLM1117MJ-1Y	J	LM1117MPX-ADJ	AF
IC707	VHiMM1573DN-1Y	J	MM1573DNRE	AD
IC801	VHiVPC3230D1EQ	J	VPC3230D-QA-B3	BD
IC802	VHiBA7046F/-1Y	J	BA7046F	AF
IC805	VHiMM1563DF-1Y	J	MM1563DFBE	AE
IC1101	VHiBD8120FP-1Y	J	BD8120FP	AX
IC1201	VHiDPS9450+-1Q	J	DPS9450A-XZ-A1	BD
IC1202	VHiTC4W66U/-1Y	J	TC4W66FU	AE
IC1601	VHiSDA5550M-1Q	J	SDA5550M	AZ
IC1602	VHiBA05FP++-1Y	J	BA05FP-E2	AF
IC1603	VHiPST3228N1EY	J	PST3228NR	AB
IC1604	VHiMM1501XN-1Y	J	MM1501XNRE	AE
IC1605	VHiMM1562FF-1Y	J	MM1562FFBE	AE
IC1606	VHiPST3221N1EY	J	PST3221NR	AB
IC1607	VHiMM1563DF-1Y	J	MM1563DFBE	AE
IC1608	VHiNC7SZ58P-1Y	J	NC7SZ58P6X	AE
IC1609	VHiTC7SZ08U-1Y	J	TC7SZ08FU	AE
IC1610	VHiLCX157MT-1Y	J	74LCX157MTCX	AE
IC1611	RH-iXA388WJZZQ	J	MBM29DL400TC90	AY
IC1612	VHi62S8308X-1Q	J	A62S8308X-70SI	AY
IC1614	VHiVHC08MTC1EY	J	74VHC08MTCX	AD
IC1615	VHi74LVX86M-1Y	J	74LVX86MTCX	AD
IC2001	RH-iXA640WJZZQ	J	M306V3MG-105FP	BA
IC2003	VHiMM1573DN-1Y	J	MM1573DNRE	AD
IC2004	VHiPQ1L503M-1Y	J	PQ1L503M2SP	AD
IC2005	VHiBU4052FV-1Y	J	BU4052BCFV-E2	AE
IC2006	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC2009	VHiTC4W66U/-1Y	J	TC4W66FU	AE
IC2010	VHiBR2416E2-1Y	J	BR24C16F	AK
IC2011	VHiTC4W66U/-1Y	J	TC4W66FU	AE

TRANSISTORS

Q701	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q702	VSFMMT718//-1Y	J	FMMT718	AE
Q703	VSDTC144EE/-1Y	J	DTC144EE	AA
Q803	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q804	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q806	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1101	VSFMMT718//-1Y	J	FMMT718	AE
Q1102	VS2SC4520//-1Y	J	2SC4520	AE
Q1103	VS2SA1729//-1Y	J	2SA1729	AF
Q1104	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1105	VS2SC4520//-1Y	J	2SC4520	AE
Q1106	VS2SA1729//-1Y	J	2SA1729	AF
Q1204	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1601	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1602	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1603	VSDTC144TE/-1Y	J	DTC144TE	AB
Q1604	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1605	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1606	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1607	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2001	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q2002	VSDTC114EE/-1Y	J	DTC144EE	AB
Q2003	VSUPA606T//-1Y	J	UPA606T	AD
Q2005	VSUPA606T//-1Y	J	UPA606T	AD
Q2006	VSDTC114EE/-1Y	J	DTC144EE	AB
Q2007	VSUPA606T//-1Y	J	UPA606T	AD

DIODES

D701	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D702	VHDDAN222//-1Y	J	Diode	AA
D703	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB
D704	VHDDAN222//-1Y	J	Diode	AA
D706	VHDDAN222//-1Y	J	Diode	AA

DUNTKB750FE06
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
D707	VHDDAN222//-1Y	J	Diode	AA
D708	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB
D709	VHDDAN222//-1Y	J	Diode	AA
D710	VHD1SS250//1EY	J	Diode	AB
D711	VHDDAN202K/-1Y	J	Diode	AB
D712	VHDDAN222//-1Y	J	Diode	AA
D713	VHDRB481K++-1Y	J	Diode	AD
D714	VHDRB491D++-1Y	J	Diode	AD
D1101	VHD1SS250//1EY	J	Diode	AB
D1102	VHDDAN222//-1Y	J	Diode	AA
D1103	VHD1SS250//1EY	J	Diode	AB
D1104	VHD1SS250//1EY	J	Diode	AB
D2001	RH-EX1232CEZZY	J	Zener Diode	AB
D2002	VHDDAN202K/-1Y	J	Diode	AB
D2003	VHDDAN202K/-1Y	J	Diode	AB

PACKAGED CIRCUITS

X801	RCRSC0012CEZZY	J	Crystal, 20.25MHz	AH
X1201	RCRSC0012CEZZY	J	Crystal, 20.25MHz	AH
X1601	RCRSCA002WJZZY	J	Crystal	AG

FILTER AND COILS

X2001	RFiLZ0169TAZZY	J	Filter	AD
FL801	RCiLFA033WJZZY	J	Coil	AG
FL802	RCiLFA033WJZZY	J	Coil	AG
L701	RCiLPA143WJZZY	J	Coil	AD
L702	VP-1M470J5R4NY	J	Peaking 47µH	AC
L804	RCiLPA143WJZZY	J	Coil	AD
L805	RCiLPA143WJZZY	J	Coil	AD
L806	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
L807	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
L808	VP-9N3R3KR46NY	J	Peaking 3.3µH	AC
L1204	VPCGM220M0R5NY	J	Peaking 22µH	AB
L1205	VPCGM220M0R5NY	J	Peaking 22µH	AB
L1206	VPCGM220M0R5NY	J	Peaking 22µH	AB
L1207	VPCGM220M0R5NY	J	Peaking 22µH	AB
L1601	VP-1M270J3R8NY	J	Peaking 27µH	AC

CAPACITORS

C701	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C702	VCEASK1CN227MY	J	220	16V	Electrolytic	AC
C703	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C704	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C705	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C706	RC-KZ0075TAZZY	J	2.2	16V	Ceramic	AC
C707	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C708	RC-EZA129WJZZY	J	2.2	50V	Electrolytic	AB
C709	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C710	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C711	RC-EZA132WJZZY	J	10	50V	Electrolytic	AC
C712	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C713	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C714	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C715	RC-EZA132WJZZY	J	10	50V	Electrolytic	AC
C716	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C717	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C718	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C719	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C720	VCEASH0JN227MY	J	220	6.3V	Electrolytic	AC
C721	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C722	RC-EZA131WJZZY	J	4.7	50V	Electrolytic	AC
C723	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C724	RC-EZA132WJZZY	J	10	50V	Electrolytic	AC
C725	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C726	RC-EZA132WJZZY	J	10	50V	Electrolytic	AC
C727	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C728	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA
C806	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C807	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA
C808	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C810	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C814	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C815	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C818	RC-EZA135WJZZY	J	4.7	6.3V	Electrolytic	AC
C819	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C820	RC-EZA122WJZZY	J	22	6.3V	Electrolytic	AB
C821	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C822	RC-KZA030WJZZY	J	2.2	10V	Ceramic	AB
C823	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C824	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C826	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C828	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C829	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C830	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C831	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C832	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C833	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C834	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C835	VCKYCY1HB331KY	J	330p	50V	Ceramic	AA
C836	VCKYCY1HB331KY	J	330p	50V	Ceramic	AA
C837	RC-EZA124WJZZY	J	10	16V	Electrolytic	AB
C838	VCKYCY1HB331KY	J	330p	50V	Ceramic	AA
C840	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C843	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C844	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C845	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C846	RC-EZA134WJZZY	J	220	6.3V	Electrolytic	AC
C847	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C848	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C849	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C850	RC-KZ0117TAZZY	J	4.7	6.3V	Ceramic	AD
C851	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C852	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C853	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C854	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C855	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C856	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C857	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C863	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C867	VCKYCY1EB473KY	J	0.047	25V	Ceramic	AA
C868	VCKYCY1EB473KY	J	0.047	25V	Ceramic	AA
C869	VCKYCY1EB473KY	J	0.047	25V	Ceramic	AA
C872	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C873	VCKYCY1AB224KY	J	0.22	10V	Ceramic	AB
C874	VCKYCY1AB224KY	J	0.22	10V	Ceramic	AB
C875	VCKYCY1AB224KY	J	0.22	10V	Ceramic	AB
C1101	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1102	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C1104	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1105	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C1106	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1107	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1108	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1109	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1111	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1112	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1113	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1114	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1115	VCKYTV1CB334KY	J	0.33	16V	Ceramic	AC
C1116	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C1117	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C1118	VCKYCY1EB104KY	J	0.1	25V	Ceramic	AB
C1119	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1122	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C1204	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1205	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1206	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1207	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1208	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1209	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C1210	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C1211	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1212	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1213	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1214	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

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MAIN UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C1215	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1216	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1217	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1218	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1219	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1220	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1221	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1222	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1223	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1224	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1225	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1226	VCKYCY1CF474ZY	J	0.47	16V	Ceramic	AB
C1227	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1228	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1229	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1230	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1231	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1232	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1233	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1234	RC-EZA143WJZZY	J	100	6.3V	Electrolytic	AC
C1235	RC-EZA143WJZZY	J	100	6.3V	Electrolytic	AC
C1236	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1237	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1238	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1240	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C1244	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1245	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1246	RC-EZA143WJZZY	J	100	6.3V	Electrolytic	AC
C1247	RC-EZA143WJZZY	J	100	6.3V	Electrolytic	AC
C1601	RC-KZ0074TAZZY	J	10	6.3V	Ceramic	AF
C1602	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1603	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1604	VCKYCY1CF334ZY	J	0.33	16V	Ceramic	AB
C1605	RC-EZA127WJZZY	J	100	6.3V	Electrolytic	AC
C1606	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C1607	RC-EZA199WJZZY	J	10	25V	Electrolytic	AC
C1608	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1609	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C1610	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1611	RC-EZA123WJZZY	J	100	6.3V	Electrolytic	AC
C1612	RC-KZA030WJZZY	J	2.2	10V	Ceramic	AB
C1613	VCE9PF0JN226MY	J	22	6.3V	Elect. (N.P)	AD
C1614	VCKYCY1CF334ZY	J	0.33	16V	Ceramic	AB
C1615	RC-EZA125WJZZY	J	2.2	16V	Electrolytic	AC
C1616	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1617	RC-EZA135WJZZY	J	4.7	6.3V	Electrolytic	AC
C1618	RC-KZA030WJZZY	J	2.2	10V	Ceramic	AB
C1619	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C1620	VCE9PF0JN226MY	J	22	6.3V	Elect. (N.P)	AD
C1622	RC-EZA122WJZZY	J	22	6.3V	Electrolytic	AB
C1623	RC-EZA135WJZZY	J	4.7	6.3V	Electrolytic	AC
C1624	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1625	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1626	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1627	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1628	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1629	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1630	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1631	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1632	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1633	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1634	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1636	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1639	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1640	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C1641	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C1642	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1643	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1644	RC-KZ0074TAZZY	J	10	6.3V	Ceramic	AF
C1647	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1649	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1650	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1651	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C1652	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C2002	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C2003	RC-KZ0074TAZZY	J	10	6.3V	Ceramic	AF
C2004	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2005	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2006	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C2007	RC-EZA122WJZZY	J	22	6.3V	Electrolytic	AB
C2008	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2012	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2018	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C2020	RC-EZA124WJZZY	J	10	16V	Electrolytic	AB
C2022	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2023	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2025	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2026	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2027	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2028	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2029	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

RESISTORS

R701	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R702	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R703	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R704	VRS-CY1JF1R0JY	J	1	1/16W	Metal Oxide	AA
R707	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R708	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R709	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R710	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R711	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R712	VRS-CY1JF680FY	J	68	1/16W	Metal Oxide	AA
R713	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R714	VRS-CY1JF151FY	J	150	1/16W	Metal Oxide	AA
R715	VRS-TX2HF330JY	J	33	1/2W	Metal Oxide	AB
R716	VRS-TV1JD562JY	J	5.6k	1/10W	Metal Oxide	AA
R717	VRS-TW2ED150JY	J	15	1/4W	Metal Oxide	AA
R718	VRS-TX2HF472JY	J	4.7k	1/2W	Metal Oxide	AB
R804	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R805	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R807	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R809	VRS-CY1JF474JY	J	470k	1/16W	Metal Oxide	AA
R811	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R812	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R813	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R815	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R816	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R817	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R818	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R820	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R822	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R823	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R824	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R827	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R829	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R830	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R836	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R837	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R838	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R839	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R840	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R841	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R842	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R843	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R845	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R847	VRS-CA1JF220JY	J	22	1/16W	Metal Oxide	AA
R849	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R854	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R856	VRS-CY1JF392FY	J	3.9k	1/16W	Metal Oxide	AA
R858	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R859	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R860	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R870	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R871	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R872	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC

DUNTKB750FE06
MAIN UNIT (Continued)

Ref. No.	Part No.	★		Description	Code
R873	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA
R874	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA
R875	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA
R1101	VRS-CY1JF273FY	J	27k	1/16W Metal Oxide	AA
R1102	VRS-CY1JF472FY	J	4.7k	1/16W Metal Oxide	AA
R1103	VRS-CY1JF472FY	J	4.7k	1/16W Metal Oxide	AA
R1104	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R1105	VRS-CY1JF391JY	J	390	1/16W Metal Oxide	AA
R1106	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1107	VRS-CY1JF391JY	J	390	1/16W Metal Oxide	AA
R1108	VRS-TW2ED102JY	J	1k	1/4W Metal Oxide	AA
R1109	VRS-TW2ED5R6JY	J	5.6	1/4W Metal Oxide	AA
R1110	VRS-TW2ED8R2JY	J	8.2	1/4W Metal Oxide	AA
R1111	VRS-CY1JF103FY	J	10k	1/16W Metal Oxide	AA
R1112	VRS-CY1JF181JY	J	180	1/16W Metal Oxide	AA
R1113	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1114	VRS-CY1JF181JY	J	180	1/16W Metal Oxide	AA
R1115	VRS-TX2HF100JY	J	10	1/2W Metal Oxide	AB
R1117	VRS-TX2HF5R6JY	J	5.6	1/2W Metal Oxide	AB
R1118	VRS-TX2HF5R6JY	J	5.6	1/2W Metal Oxide	AB
R1119	VRS-CY1JF473JY	J	47k	1/16W Metal Oxide	AA
R1121	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1122	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1123	VRS-TX2HF000JY	J	0	1/2W Metal Oxide	AB
R1124	VRS-TX2HF101JY	J	100	1/2W Metal Oxide	AA
R1126	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1128	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1210	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1211	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1212	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1213	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1216	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1217	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA
R1218	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1219	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1220	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1221	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1222	VRS-CY1JF105JY	J	1M	1/16W Metal Oxide	AA
R1223	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1224	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1225	VRS-CY1JF680JY	J	68	1/16W Metal Oxide	AA
R1226	VRS-CY1JF220JY	J	22	1/16W Metal Oxide	AA
R1227	VRK-CD1JJ220JY	J	22	1/16W Metal Compo.	AC
R1228	VRK-CD1JJ220JY	J	22	1/16W Metal Compo.	AC
R1229	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1231	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1232	VRK-CD1JJ220JY	J	22	1/16W Metal Compo.	AC
R1233	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1234	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R1235	VRS-CA1JF220JY	J	22	1/16W Metal Oxide	AA
R1236	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1237	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1238	VRS-CY1JF220JY	J	22	1/16W Metal Oxide	AA
R1239	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1240	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1242	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1244	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R1251	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1258	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1259	VRS-CY1JF182JY	J	1.8k	1/16W Metal Oxide	AA
R1260	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1262	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1601	VRS-TX2HF2R2JY	J	2.2	1/2W Metal Oxide	AB
R1602	VRS-CY1JF152JY	J	1.5k	1/16W Metal Oxide	AA
R1603	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1604	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1605	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1607	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R1608	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1609	VRS-CY1JF681JY	J	680	1/16W Metal Oxide	AA
R1610	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R1611	VRS-CY1JF132JY	J	1.3k	1/16W Metal Oxide	AG
R1612	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1614	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1615	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1616	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R1617	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1618	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1619	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1620	VRS-CY1JF681FY	J	680	1/16W Metal Oxide	AA
R1621	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1622	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1623	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1624	VRS-CY1JF681FY	J	680	1/16W Metal Oxide	AA
R1625	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1627	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1628	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1629	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1631	VRS-CY1JF222JY	J	2.2k	1/16W Metal Oxide	AA
R1632	VRS-CB1JF332JY	J	3.3k	1/16W Metal Oxide	AC
R1635	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1637	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1639	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1642	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1645	VRS-CA1JF221JY	J	220	1/16W Metal Oxide	AC
R1647	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1655	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1656	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1657	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1659	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1661	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1664	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1665	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R2001	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2002	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2006	VRS-CY1JF1R0JY	J	1	1/16W Metal Oxide	AA
R2007	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2008	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2009	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2010	VRS-CY1JF1R0JY	J	1	1/16W Metal Oxide	AA
R2011	VRS-CY1JF393JY	J	39k	1/16W Metal Oxide	AA
R2012	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2013	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R2014	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2015	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2017	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2019	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2020	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2021	VRS-CA1JF102JY	J	1k	1/16W Metal Oxide	AA
R2022	VRS-CA1JF223JY	J	22k	1/16W Metal Oxide	AA
R2024	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2026	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2029	VRS-CA1JF223JY	J	22k	1/16W Metal Oxide	AA
R2032	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2033	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2034	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2036	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R2037	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2039	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2041	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2042	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2043	VRS-CY1JF153JY	J	15k	1/16W Metal Oxide	AA
R2044	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2045	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2046	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2047	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2049	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2050	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R2051	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2052	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2055	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA
R2056	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA
R2057	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2058	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2060	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2063	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

DUNTKB750FE06
MAIN UNIT (Continued)

R2064	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2065	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2066	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2067	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2068	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2069	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R2070	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2071	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2072	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2073	VRS-CA1JF153JY	J	15k	1/16W Metal Oxide	AB
R2074	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2076	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA
R2077	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2078	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2079	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2080	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2081	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2082	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2083	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2084	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2085	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R2086	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA
R2087	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2088	VRS-CY1JF393JY	J	39k	1/16W Metal Oxide	AA
R2089	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2090	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA
R2091	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2092	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2093	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA
R2096	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA
R2097	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2098	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2099	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R2100	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2101	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2102	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2103	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R2104	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R2105	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R7003	VRS-CB1JF000JY	J	0	1/16W Metal Oxide	AC
R7004	VRS-CB1JF000JY	J	0	1/16W Metal Oxide	AC
R7006	VRS-CA1JF000JY	J	0	1/16W Metal Oxide	AB

MISCELLANEOUS PARTS

FB1201	RBLN-0083GEZZY	J	Ferrite Bead	AB
FB1601	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1602	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1603	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1604	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1605	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1606	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1607	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1608	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1609	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1610	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1611	RBLN-0076TAZZY	J	Ferrite Bead	AC
P701	QPLGN0549FJZZY	J	Plug, 12-pin(MB)	AE
P702	QPLGN0274TAZZY	J	Plug, 2-pin	AC
P2001	QPLGN0558REZZY	J	Plug, 5-pin(MS)	AE
SC1202	QSOCNA002WJPZY	J	Socket, 20-pin(LK)	AD
SC1203	QSOCN0687FJZZY	J	Socket, 50-pin(LS)	AF
SC1204	QSOCN0206FJZZY	J	Socket, 30-pin(LG)	AF
SC2002	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
TP2040	QLUGHA002WJZZ	J	Lug	AB

Ref. No.	Part No.	★	Description	Code

DUNTKB768FE09 (LC-20B4M)
DUNTKB768FE12 (LC-20B4M(X))
TUNER UNIT

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

TU3201	VTUVT2U5CD553	J	Tuner (LC-20B4M)	BD
TU3201	VTUVT2U5CD558	J	Tuner (LC-20B4M(X))	BF

INTEGRATED CIRCUITS

IC3301	VHiNJM4560M-1Y	J	NJM4560M	AG
IC3302	VHiNJM4560M-1Y	J	NJM4560M	AG
IC3303	VHiNJM4560M-1Y	J	NJM4560M	AG
IC3304	RH-iX1853BMZZQ	J	MSP3410G-QG-B8	BB
IC3305	VHiLA4635A+-1S	J	LA4635A	AM
IC3401	VHiNJM2293M-1Y	J	NJM2293M(TE1)	AG
IC3501	VHiTC4053BF1EY	J	TC4053BF	AF
IC3502	VHiNJM2268M-1Y	J	NJM2268M-TE1	AF
IC3701	VHiNJM2377M-1Y	J	NJM2377M	AK
IC3702	VHiNJM2147M-1Y	J	NJM2147M-TE1	AF

TRANSISTORS

Q3201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3202	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3203	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3204	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3205	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3211	VSiMZ1A////-1Y	J	IMZ1A	AC
Q3212	VSiMZ1A////-1Y	J	IMZ1A	AC
Q3304	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3305	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3501	VSUMG4N++++-1Y	J	UMG4N	AB
Q3502	VSUPA1970++-1Y	J	UPA1970	AE
Q3503	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3504	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3505	VSDTC114EE/-1Y	J	DTC114EE	AB
Q3510	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3511	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3512	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q3513	VS2SC2712Y/-1Y	J	2SC2712Y	AB
Q3601	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3602	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q3603	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q3604	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q3605	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q3606	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q3701	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3702	VSFMMT718//-1Y	J	FMMT718	AE
Q3703	VSFMMT718//-1Y	J	FMMT718	AE
Q3704	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3705	VSFMY3/////-1Y	J	FMY3	AB
Q3706	VS2SK2503//-1Y	J	2SK2503	AE
Q3707	VSFMMT619//-1Y	J	FMMT619	AE
Q3708	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3709	VSFMY3/////-1Y	J	FMY3	AB

DIODES

D3302	VHDDAN222//-1Y	J	Diode	AA
D3401	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3402	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3501	VHDDAN222//-1Y	J	Diode	AA
D3502	RH-EX1396CEZZY	J	Zener Diode, 6.8V	AB
D3601	VHDiMN10///-1Y	J	Diode	AB
D3602	VHDDAN222//-1Y	J	Diode	AA
D3603	VHDiMN10///-1Y	J	Diode	AB
D3604	VHDiMN10///-1Y	J	Diode	AB
D3605	VHDDAN222//-1Y	J	Diode	AA
D3606	VHDDAN222//-1Y	J	Diode	AA
D3607	VHDDAN222//-1Y	J	Diode	AA
D3608	VHDDAN222//-1Y	J	Diode	AA
D3609	VHDDAN222//-1Y	J	Diode	AA
D3701	VHDDAN222//-1Y	J	Diode	AA
D3702	VHDDAN222//-1Y	J	Diode	AA
D3705	VHDSFPB56//2EY	J	Diode	AC

DUNTKB768FE09 (LC-20B4M)
DUNTKB768FE12 (LC-20B4M(X))
TUNER UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
D3706	VHDSFPB74//2EY	J	Diode	AD
D3707	VHDSFPB74//2EY	J	Diode	AD
D3709	VHDDAN222//-1Y	J	Diode	AA
D3710	VHD1SS250//1EY	J	Diode	AB
D3711	VHDDAN222//-1Y	J	Diode	AA
PACKAGED CIRCUITS				
X3301	RCRSB0307CEZZ	J	Crystal	AG
COILS				
L3201	VP-1M220J2R9NY	J	Peaking 22µH	AB
L3202	RCiLPA142WJZZ	J	Coil	AD
L3301	VP-1M101J7R7NY	J	Peaking 100µH	AC
L3302	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L3500	VP-1M101J7R7NY	J	Peaking 100µH	AC
L3701	RCiLPA026WJZZ	J	Coil	AD
L3702	RCiLPA144WJZZY	J	Coil	AD
L3703	RCiLPA143WJZZY	J	Coil	AD
L3704	RCiLPA026WJZZ	J	Coil	AD
TRANSFORMER				
⚠ T3701	RTRNWA090WJZZY	J	Transformer	AH
CONTROL				
R3714	RVR-M0111CEZZY	J	1k(B) B+Adj.	AC
CAPACITORS				
C3024	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3201	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3202	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3203	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3205	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3206	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA
C3208	RC-EZA085WJZZ	J	3300 10V Electrolytic	AE
C3209	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C3210	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3211	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3301	VCKYCY1HB392KY	J	3900p 50V Ceramic	AA
C3302	VCKYCY1HB392KY	J	3900p 50V Ceramic	AA
C3303	VCKYCY1EB822KY	J	8200p 25V Ceramic	AA
C3304	VCKYCY1HB392KY	J	3900p 50V Ceramic	AA
C3305	VCKYCY1HB392KY	J	3900p 50V Ceramic	AA
C3306	VCKYCY1HB822KY	J	8200p 50V Ceramic	AB
C3307	VCEASH1CN337MY	J	330 16V Electrolytic	AE
C3308	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3309	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C3310	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C3311	VCKYCY1EB153KY	J	0.015 25V Ceramic	AA
C3312	VCKYCY1EB153KY	J	0.015 25V Ceramic	AA
C3313	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C3314	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C3315	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3316	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C3317	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C3318	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C3319	VCKYCY1CB273KY	J	0.027 16V Ceramic	AB
C3320	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C3321	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3322	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3323	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3324	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3325	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3328	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3329	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3330	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3332	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3333	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3334	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3335	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C3336	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C3337	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3338	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3339	RC-EZA130WJZZY	J	3.3 50V Electrolytic	AB
C3340	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3341	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C3342	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C3343	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3344	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3345	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3346	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3349	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3350	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3351	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C3352	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3354	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C3355	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C3356	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C3357	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C3358	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C3359	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3360	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3361	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C3362	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3363	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3364	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C3365	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3366	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3367	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3368	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C3369	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3370	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C3372	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3382	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C3389	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3401	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3402	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3403	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3404	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3405	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3406	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3501	RC-KZA030WJZZY	J	2.2 10V Ceramic	AB
C3502	RC-KZA030WJZZY	J	2.2 10V Ceramic	AB
C3503	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C3509	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3510	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3511	VCKYCY1HB391KY	J	390p 50V Ceramic	AA
C3512	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3513	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C3514	RC-EZA197WJZZY	J	33 6.3V Electrolytic	AC
C3515	RC-EZA122WJZZY	J	22 6.3V Electrolytic	AB
C3516	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C3517	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C3518	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C3520	RC-EZA140WJZZY	J	4.7 25V Electrolytic	AB
C3521	RC-EZA140WJZZY	J	4.7 25V Electrolytic	AB
C3522	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C3601	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3602	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3603	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3604	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3605	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3606	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3607	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3608	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3609	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3610	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C3702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3703	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C3705	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C3706	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3708	RC-KZA002WJZZY	J	4.7 16V Ceramic	AC
C3709	RC-KZA002WJZZY	J	4.7 16V Ceramic	AC
C3710	VCCCCY1HH471JY	J	470p 50V Ceramic	AA
C3711	VCKYCY1HB562KY	J	5600p 50V Ceramic	AA
C3712	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C3713	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF

Ref. No.	Part No.	★			Description	Code

DUNTKB768FE09 (LC-20B4M)
DUNTKB768FE12 (LC-20B4M(X))
TUNER UNIT (Continued)

C3714	VCKYCY1HB562KY	J	5600p	50V	Ceramic	AA
C3715	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C3716	VCEASH1HN476MY	J	47	50V	Electrolytic	AD
C3717	VCEASH1CN337MY	J	330	16V	Electrolytic	AE
C3718	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3719	VCEASH1CN337MY	J	330	16V	Electrolytic	AE
C3721	VCKYCY1HF104ZY	J	0.1	50V	Ceramic	AA
C3722	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3723	VCAAPD0JJ127MY	J	120	6.3V	Electrolytic	AF
C3724	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3726	VCEASH1CN477MY	J	470	16V	Electrolytic	AD
C3727	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C3728	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3729	VCKYCY1HF104ZY	J	0.1	50V	Ceramic	AA
C3730	VCKYCY1HF104ZY	J	0.1	50V	Ceramic	AA
C3731	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3732	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3733	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA
C3734	RC-KZ0075TAZZY	J	2.2	16V	Ceramic	AC
C3735	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3736	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3737	RC-EZA127WJZZY	J	100	16V	Electrolytic	AC

RESISTORS

R3201	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3202	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R3203	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3204	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3205	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R3206	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3207	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3208	VRS-CA1JF561JY	J	560	1/16W	Metal Oxide	AA
R3209	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3210	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3211	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R3212	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R3213	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3214	VRS-CY1JF561FY	J	560	1/16W	Metal Oxide	AA
R3215	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R3216	VRS-CY1JF121JY	J	120	1/16W	Metal Oxide	AA
R3217	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3303	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3304	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3305	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R3307	VRS-CY1JF152FY	J	1.5k	1/16W	Metal Oxide	AA
R3308	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3309	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3311	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3312	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3315	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3316	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3317	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3318	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3319	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R3320	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R3321	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3322	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3323	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3324	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3325	VRS-CY1JF333FY	J	33k	1/16W	Metal Oxide	AA
R3326	VRS-CY1JF333FY	J	33k	1/16W	Metal Oxide	AA
R3327	VRS-CY1JF184FY	J	180k	1/16W	Metal Oxide	AA
R3328	VRS-CY1JF184FY	J	180k	1/16W	Metal Oxide	AA
R3331	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3332	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3333	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3334	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3335	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3336	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3337	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3338	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3339	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3340	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3341	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R3342	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R3343	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R3344	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3345	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3346	VRS-CY1JF152FY	J	1.5k	1/16W	Metal Oxide	AA
R3347	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3348	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3349	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3350	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3351	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3352	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3353	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3354	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3355	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3357	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R3358	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R3360	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3361	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3362	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3363	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3364	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R3365	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R3366	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R3369	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3370	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3371	VRS-TW2ED121JY	J	120	1/4W	Metal Oxide	AA
R3372	VRS-TW2ED121JY	J	120	1/4W	Metal Oxide	AA
R3375	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3377	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3382	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3383	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R3384	VRS-TW2ED101JY	J	100	1/4W	Metal Oxide	AA
R3385	VRS-TW2ED101JY	J	100	1/4W	Metal Oxide	AA
R3399	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3401	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3402	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R3409	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3410	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3411	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R3412	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R3413	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3428	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3429	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3430	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3431	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3432	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3433	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3515	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3516	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R3517	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3518	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3520	VRS-CA1JF000JY	J	0	1/16W	Metal Oxide	AB
R3521	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3522	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3523	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3524	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3528	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R3529	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R3530	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3531	VRS-TQ2BD680JY	J	68	1/8W	Metal Oxide	AA
R3532	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3533	VRS-CY1JF680JY	J	68	1/16W	Metal Oxide	AA
R3534	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3535	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3536	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R3537	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R3540	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3542	VRS-CY1JF680JY	J	68	1/16W	Metal Oxide	AA
R3543	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R3544	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3545	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3547	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

DUNTKB768FE09 (LC-20B4M)
DUNTKB768FE12 (LC-20B4M(X))
TUNER UNIT (Continued)

R3552	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R3553	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3554	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3555	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R3556	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R3557	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3558	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3561	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3562	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3564	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3601	VRS-CB1JF222JY	J	2.2k 1/16W Metal Oxide	AC
R3603	VRS-CB1JF222JY	J	2.2k 1/16W Metal Oxide	AC
R3604	VRS-CA1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3605	VRS-CB1JF824JY	J	820k 1/16W Metal Oxide	AC
R3606	VRS-CB1JF824JY	J	820k 1/16W Metal Oxide	AC
R3607	VRS-CA1JF824JY	J	820k 1/16W Metal Oxide	AB
R3608	VRS-CB1JF562JY	J	5.6k 1/16W Metal Oxide	AC
R3609	VRS-CB1JF562JY	J	5.6k 1/16W Metal Oxide	AC
R3610	VRS-CA1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R3611	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA
R3701	VRS-TW2ED102JY	J	1k 1/4W Metal Oxide	AA
R3703	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3705	VRS-TW2ED1R0JY	J	1 1/4W Metal Oxide	AB
R3706	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R3707	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R3708	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3709	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R3711	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R3712	VRS-CY1JF133FY	J	13k 1/16W Metal Oxide	AA
R3713	VRS-TW2ED102JY	J	1k 1/4W Metal Oxide	AA
R3715	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R3716	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R3717	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R3718	VRS-CY1JF184JY	J	180k 1/16W Metal Oxide	AA
R3719	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R3722	VRS-CE3AF821JY	J	820 1W Metal Oxide	AC
R3723	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3728	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA
R3729	VRS-CY1JF1R0JY	J	1 1/16W Metal Oxide	AA
R3731	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3734	VRS-TQ2BD683JY	J	68k 1/8W Metal Oxide	AA
R3735	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3737	VRS-TW2ED561JY	J	560 1/4W Metal Oxide	AA
R3738	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R3739	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3740	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA
R3741	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA
R3742	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R3743	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA
R3744	VRS-CY1JF243FY	J	24k 1/16W Metal Oxide	AA
R3745	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3746	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3747	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R3748	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3749	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R3750	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R3751	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R3752	VRS-CY1JF622FY	J	6.2k 1/16W Metal Oxide	AA
R3753	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R3754	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA
R3755	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3756	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3757	VRS-TW2ED000JY	J	0 1/4W Metal Oxide	AB
R3761	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3765	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

⚠ F3701	QFS-D0008CEZZ	J	Fuse, 2A/250V	AE
⚠ F3702	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
FH3701	QFSHD1002CEZZ	J	Fuse Holder	AA
FH3702	QFSHD1002CEZZ	J	Fuse Holder	AA
FH3703	QFSHD1002CEZZ	J	Fuse Holder	AA
FH3704	QFSHD1002CEZZ	J	Fuse Holder	AA
FB3701	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3702	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3703	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3705	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3707	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3708	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3709	RBLN-0254TAZZY	J	Ferrite Bead	AB
J3303	QJAKJ0047CEZZ	J	Headphone	AD
J3404	QJAKG0069CEZZ	J	Y/PB/PR(COMPONENT)	AG
J3407	QJAKG0068CEZZ	J	AV-IN1 Terminal	AG
J3408	QJAKG0085CEZZ	J	AV-IN2/OUT Terminal	AG
J3409	QJAKF0066CEZZ	J	Audio(L)/(R) (COMPONENT)	AE
J3701	QJAKE0193CEZZ	J	Power Input(DC13V)	AK
P3301	QPLGN0278GEZZ	J	Plug, 2-pin(SL)	AA
P3302	QPLGN0278GEZZ	J	Plug, 2-pin(SR)	AA
P3501	QPLGNA071WJZZ	J	Plug, 14-pin(MJ)	AC
P3502	QPLGN0558REZZY	J	Plug, 5-pin(MR)	AE
P3601	QPLGN0478GEZZ	J	Plug, 4-pin(CL1)	AB
P3602	QPLGN0678GEZZ	J	Plug, 6-pin(CL2)	AB
P3603	QPLGN0378GEZZ	J	Plug, 3-pin(VE)	AB
P3604	QPLGN0378GEZZ	J	Plug, 3-pin(VF)	AB
P3701	QPLGN0549FJZZY	J	Plug, 12-pin(MB)	AE
SC3403	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
SC3405	QSOCD0456CEZZ	J	S-Video	AE
TP3701	QLUGHA002WJZZ	J	Lug	AB
TP3702	QLUGHA002WJZZ	J	Lug	AB
	QCNW-A307WJZZ	J	Connecting Cord(VF)	AD
	QCNW-A487WJZZ	J	Connecting Cord(VE)	AE
	QCNW-B310WJZZ	J	Connecting Cord(MR) (LC-20B4M(X))	AF
	QCNW-B321WJZZ	J	Connecting Cord(MB)	AH
	QEARPA460WJFW	J	Grounding Part	AB

Ref. No.	Part No.	★	Description	Code

DUNTKB769FE09 (LC-20B4M)
DUNTKB769FE12 (LC-20B4M(X))
R/C, LED UNIT

TRANSISTORS

Q4001	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4003	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4007	VSUMG4N++++-1Y	J	UMG4N	AB

DIODES

D4011	RH-PX0419CEZZY	J	SLEEP Indicator	AC
D4012	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4014	RH-PX0421CEZZY	J	POWER Indicator	AD
D4015	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4022	RH-EX1271CEZZY	J	Zener Diode, 12V	AB

CAPACITORS

C4018	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB

RESISTORS

R4001	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R4021	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R4023	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R4024	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R4029	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P4004	QPLGN0563TAZZY	J	Plug, 5-pin(MR)	AC
RMC4002	RRMCU0239CEZZ	J	R/C Sensor	AG
SLD4001	PSLDM4646CEFW	J	Shield	AD
	QCNW-B310WJZZ	J	Connecting Cord(MR) (LC-20B4M)	AF

Ref. No.	Part No.	★	Description	Code

DUNTKB770FE09 (LC-20B4M)
DUNTKB770FE12 (LC-20B4M(X))
OPERATION UNIT

DIODES

D4008	RH-EX1283CEZZY	J	Zener Diode, 12V	AB
D4009	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4010	RH-EX1271CEZZY	J	Zener Diode, 12V	AB

RESISTORS

R4005	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R4006	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R4011	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R4012	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA

SWITCHES

S4701	QSW-P0035GEZZ	J	MAIN POWER	AF
SW4002	QSW-K0108CEZZY	J	CH(∨)	AD
SW4003	QSW-K0108CEZZY	J	CH(∧)	AD
SW4004	QSW-K0108CEZZY	J	MENU	AD
SW4006	QSW-K0108CEZZY	J	TV/VIDEO	AD
SW4007	QSW-K0108CEZZY	J	VOL(+)	AD
SW4008	QSW-K0108CEZZY	J	VOL(–)	AD

MISCELLANEOUS PARTS

P4001	QPLGN0563TAZZY	J	Plug, 5-pin(MS)	AC
	QCNW-A744WJZZ	J	Connecting Cord(MS)	AE

Ref. No.	Part No.	★	Description	Code

DUNTKB590DE02
INVERTER-A UNIT

TRANSISTORS

Q6700	VS2SC5886++-1Y	J	2SC5886	AE
Q6701	VS2SC5886++-1Y	J	2SC5886	AE
Q6702	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6703	VS2SC5886++-1Y	J	2SC5886	AE
Q6704	VS2SC5886++-1Y	J	2SC5886	AE
Q6705	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6706	VS2SC5886++-1Y	J	2SC5886	AE
Q6707	VS2SC5886++-1Y	J	2SC5886	AE
Q6708	VS2SA1530AR-1Y	J	2SA1530AR	AB

DIODE

D6700	VHDiMN10///-1Y	J	Diode	AB

COILS

L6700	RCiLPA034WJZZ	J	Coil	AD
L6702	RCiLPA034WJZZ	J	Coil	AD
L6704	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMERS

⚠	T6700	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6701	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6702	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6703	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6704	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6705	RTRNZA030WJZZQ	J	Transformer	AL

CAPACITORS

C6702	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6703	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6704	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6707	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6708	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6709	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6712	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6713	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6714	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6725	RC-FZA043WJZZ	J	0.14	250V	Film	AE
C6726	RC-FZA043WJZZ	J	0.14	250V	Film	AE
C6727	RC-FZA043WJZZ	J	0.14	250V	Film	AE

RESISTORS

R6700	VRS-TW2ED182JY	J	1.8k	1/4W	Metal Oxide	AA
R6702	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6703	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6704	VRS-TW2ED182JY	J	1.8k	1/4W	Metal Oxide	AA
R6706	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6707	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6708	VRS-TW2ED182JY	J	1.8k	1/4W	Metal Oxide	AA
R6710	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6711	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6720	VRS-TW2ED152JY	J	1.5k	1/4W	Metal Oxide	AB
R6721	VRS-TW2ED152JY	J	1.5k	1/4W	Metal Oxide	AB
R6722	VRS-TW2ED152JY	J	1.5k	1/4W	Metal Oxide	AB

MISCELLANEOUS PARTS

⚠	F6700	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
⚠	F6701	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
⚠	F6702	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
	FH6700	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6701	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6702	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6703	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6704	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6705	QFSHD1002CEZZ	J	Fuse Holder	AA
	P6700	QPLGN0155FJZZY	J	Plug, 3-pin(HL3)	AE
	P6701	QPLGN0155FJZZY	J	Plug, 3-pin(HL4)	AE
	P6702	QPLGN0155FJZZY	J	Plug, 3-pin(HL5)	AE
	P6705	QPLGN0378GEZZ	J	Plug, 3-pin(VE)	AB

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INVERTER-B UNIT

TRANSISTORS

Q6709	VS2SC5886++-1Y	J	2SC5886	AE
Q6710	VS2SC5886++-1Y	J	2SC5886	AE
Q6711	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6712	VS2SC5886++-1Y	J	2SC5886	AE
Q6713	VS2SC5886++-1Y	J	2SC5886	AE
Q6714	VS2SA1530AR-1Y	J	2SA1530AR	AB

DIODE

D6701	VHDDAN222//-1Y	J	Diode	AA

COILS

L6706	RCiLPA034WJZZ	J	Coil	AD
L6708	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMERS

⚠	T6706	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6707	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6708	RTRNZA030WJZZQ	J	Transformer	AL
⚠	T6709	RTRNZA030WJZZQ	J	Transformer	AL

CAPACITORS

C6717	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6718	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6719	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6722	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6723	VCKYCY1CB333KY	J	0.033	16V	Ceramic	AA
C6724	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6740	RC-FZA043WJZZ	J	0.14	250V	Film	AE
C6741	RC-FZA043WJZZ	J	0.14	250V	Film	AE

RESISTORS

R6712	VRS-TW2ED182JY	J	1.8k	1/4W	Metal Oxide	AA
R6714	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6715	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6716	VRS-TW2ED182JY	J	1.8k	1/4W	Metal Oxide	AA
R6718	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6719	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6723	VRS-TW2ED152JY	J	1.5k	1/4W	Metal Oxide	AB
R6724	VRS-TW2ED152JY	J	1.5k	1/4W	Metal Oxide	AB

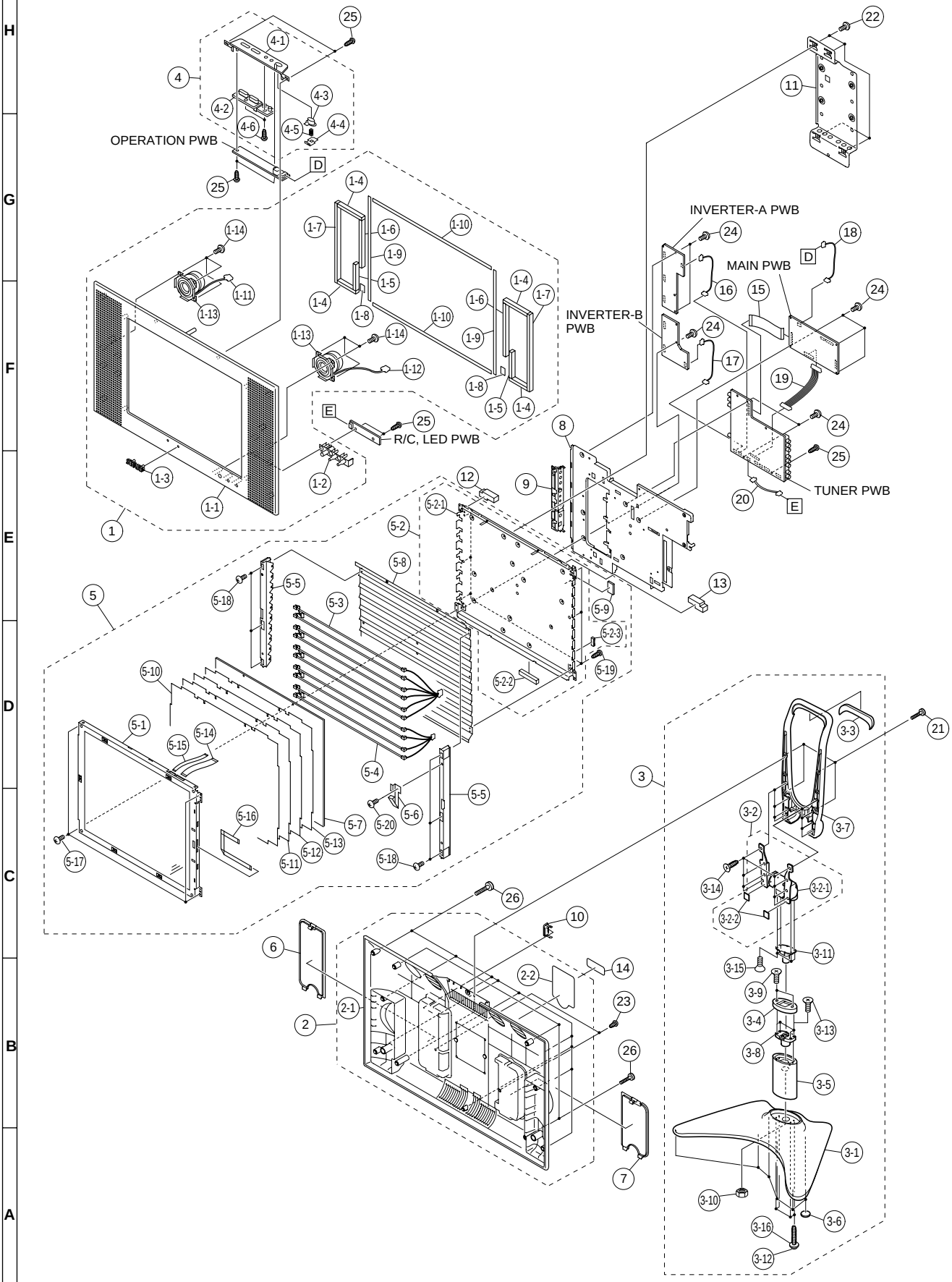
MISCELLANEOUS PARTS

⚠	F6703	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
⚠	F6704	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
	FH6706	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6707	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6708	QFSHD1002CEZZ	J	Fuse Holder	AA
	FH6709	QFSHD1002CEZZ	J	Fuse Holder	AA
	P6703	QPLGN0155FJZZY	J	Plug, 3-pin(HL1)	AE
	P6704	QPLGN0155FJZZY	J	Plug, 3-pin(HL2)	AE
	P6706	QPLGN0378GEZZ	J	Plug, 3-pin(VF)	AB

CABINET PARTS LOCATION

Ref. No.	Part No.	★	Description	Code
1	CCABAA306WJ01	J	Cabinet A Ass'y	BK
1-1	*Not Available*	–	Cabinet A	—
1-2	GCOVA2020CEZZ	J	R/C,LED Cover	AF
1-3	HBDGBA011WJSA	J	"SHARP" Badge	AG
1-4	PSPAG0393CEUZ	J	Spacer, x4	AB
1-5	PSPAG0404CEZZ	J	SP Packing, x2	AB
1-6	PSPAG0405CEZZ	J	SP Packing(S), x2	AC
1-7	PSPAG0416CEZZ	J	SP Packing(L), x2	AC
1-8	PSPAH0678CEZZ	J	Spacer, x2	AA
1-9	PSPAH0699CEUZ	J	Spacer(S), x2	AD
1-10	PSPAH0700CEUZ	J	Spacer(L), x2	AD
1-11	QCNW-B398WJZZ	J	Connecting Cord(SP-L)	AE
1-12	QCNW-B399WJZZ	J	Connecting Cord(SP-R)	AE
1-13	VSP0050PBP98S	J	Speaker, x2	AR
1-14	XEBSD40P10000	J	Screw, x8	AA
2	CCABBA220WJ04	J	Cabinet B Ass'y(LC-20B4M)	BB
2	CCABBA220WJ05	J	Cabinet B Ass'y (LC-20B4M(X))	BB
2-1	*Not Available*	–	Cabinet B	—
2-2	HiNDPA435WJSA	J	Model Label(LC-20B4M)	AG
2-2	HiNDPA440WJSA	J	Model Label(LC-20B4M(X))	AG
3	CDAi-A045WJ01	J	Stand Ass'y	BR
3-1	GDAi-A045WJSA	J	Stand, Base	BA
3-2	CDAi-1123CE01	J	Stand, Joint Ass'y	BB
3-2-1	*Not Available*	–	Stand, Joint	—
3-2-2	PSPAZA083WJZZ	J	Spacer, x2	AB
3-3	GCOVA1945CESA	J	Stand Grip	AK
3-4	GCOVAA251WJSA	J	Support Cover	AM
3-5	GDAi-A062WJSA	J	Support	AQ
3-6	GLEGGA014WJZZ	J	Leg, x6	AB
3-7	JHNDP0103CESA	J	Stand Handle	AX
3-8	LANGGA016WJFW	J	Swivel Base	AG
3-9	LX-BZA019WJFE	J	Screw, x2	AB
3-10	LX-NZA001WJFE	J	Nut, x1	AD
3-11	MHNG-A004WJFW	J	Hinge, x1	AU
3-12	XCBSD50P25000	J	Screw, x4	AB
3-13	XCSSN50P20000	J	Screw, x4	AB
3-14	XESSN40P10000	J	Screw, x8	AB
3-15	XUSSD40P20000	J	Screw, x4	AB
3-16	XWHSN50-16120	J	Washer, x4	AB
4	CCOVAA432WJ01	J	Top Cover Ass'y	AS
4-1	*Not Available*	–	Top Cover	—
4-2	JBTN-A087WJKA	J	Operation Button	AL
4-3	JBTN-A088WJKA	J	Power Button	AF
4-4	LHLDZA027WJKZ	J	Power Button Holder	AE
4-5	MSPRCA014WJFW	J	Spring, for Power Button	AB
4-6	XEBSD30P08000	J	Screw, x2	AA
5	*Not Available*	–	20" LCD Panel Unit Ass'y	—
5-1	RLCDTA014WJN1	J	20" LCD Panel Unit	DM
5-2	*Not Available*	–	Back Shield Ass'y	—
5-2-1	PSLDM4685CEFW	J	Back Shield	AX
5-2-2	PMLT-0402CEZZ	J	Spacer	AC
5-2-3	LHLDW1173CEZZ	J	Wire Holder	AD
⚠ 5-3	KLMP-0124CEZZ	J	Lamp Unit-A	BH
⚠ 5-4	KLMP-0125CEZZ	J	Lamp Unit-B	BD
5-5	LHLDZ2176CEZZ	J	Lamp Fixing Holder, x2	AL
5-6	MSPRP1220CEFW	J	ITO Earth Spring, x1	AC
5-7	PCOVU0107CEZZ	J	Diffusion Panel	AY
5-8	PMiR-0296CEZZ	J	Reflection Mirror	AX
5-9	PMLT-0377CEZZ	J	Spacer	AD
5-10	PSHEP0286CEZZ	J	Reflection/Deflection Sheet	BP
5-11	PSHEP0287CEZZ	J	Prism Sheet	BC
5-12	PSHEP0288CEZZ	J	Diffusion Sheet	AQ
5-13	PSHEP0289CEZZ	J	ITO Sheet	AY
5-14	QCNW-6054CEZZ	J	Connecting Cord	AD
5-15	QCNW-6055CEZZ	J	Connecting Cord	AD
5-16	QCNW-6056CEZZ	J	Connecting Cord	AF
5-17	XBBSD30P05000	J	Screw, x4	AA
5-18	XBBSD30P08000	J	Screw, x6	AA
5-19	XEBSD20P05000	J	Screw, x6	AA
5-20	XEBSD30P08000	J	Screw, x1	AA
6	GCOVA2028CEKA	J	Terminal Cover(L)	AL
7	GCOVA2038CEKA	J	Terminal Cover(S)	AK
8	GCOVA2106CEKA	J	Chassis Frame	AU
9	GCOVAA433WJKA	J	Chassis Frame Cover	AG
10	GCOVAA204WJKA	J	Terminal Decoration Cover	AD
11	LANGT9032CEFW	J	Fixing Metal	AR
12	PMLT-0404CEZZ	J	Light Shielding Spacer(L)	AD
13	PMLT-0405CEZZ	J	Light Shielding Spacer(R)	AD
14	*Not Available*	–	Serial No. Label	—
15	QCNW-6058CEZZ	J	Connecting Cord(MA)	AE
16	QCNW-A307WJZZ	J	Connecting Cord(VF)	AD
17	QCNW-A487WJZZ	J	Connecting Cord(VE)	AE
18	QCNW-A744WJZZ	J	Connecting Cord(MS)	AE
19	QCNW-B321WJZZ	J	Connecting Cord(MB)	AH
20	QCNW-B310WJZZ	J	Connecting Cord(MR)	AF
21	LX-BZ3442CEFF	J	Screw, x4	AB
22	XBBSD40P06000	J	Screw, x4	AA
23	XBBSF30P06000	J	Screw, x2	AA
24	XBPSD30P10JS0	J	Screw, x8	AA
25	XEBSD30P08000	J	Screw, x7	AA
26	XEBSF40P16000	J	Screw, x12	AA

CABINET AND MECHANICAL PARTS



ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	LHLDWA002WJSA	J	Cable Clamp, x2	AD
⚠	QACCKA006WJPZ	J	AC Cord(LC-20B4M)	AL
⚠	QACCL0026TAZZ	J	AC Cord(LC-20B4M(X))	AL
	QCNWG0008CEPZ	J	Antenna Cable	AM
	RRMCGA160WJSA	J	Infrared R/C Unit	AT
	TiNS-A742WJZZ	J	Operation Manual	AT
⚠	UADP-0241CEPZ	J	AC Adapter	BL

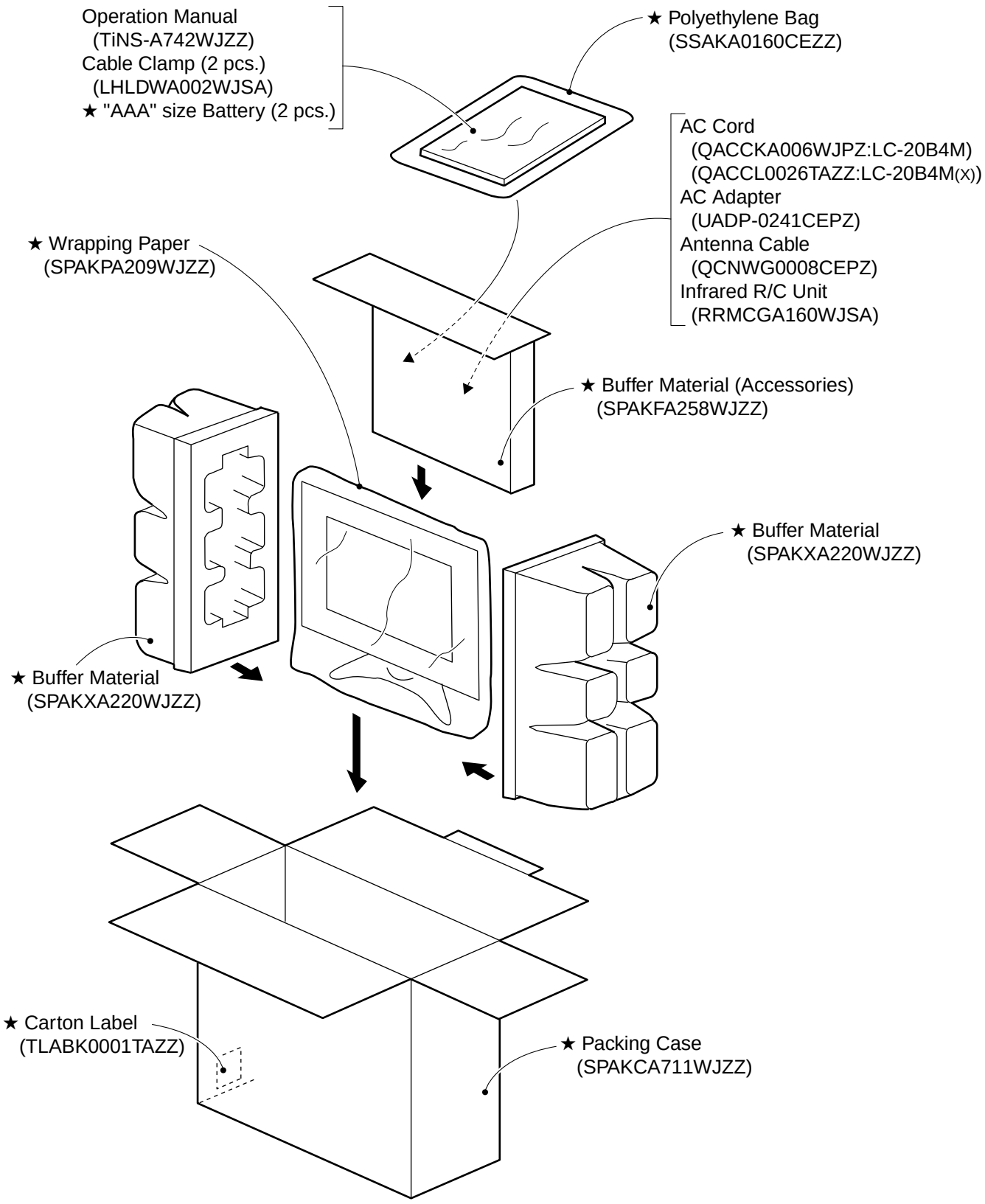
SERVICE JIGS
(USE FOR SERVICING)

Ref. No.	Part No.	★	Description	Code
	QCNW-A533WJZZ	J	Extension Cable, 30-pin (SC1204-LCD)	BA
	QCNW-A555WJZZ	J	Extension Cable, 20-pin (SC1202-LCD)	AU
	QCNW-A556WJZZ	J	Extension Cable, 50-pin, x2 (SC2002-SC3403) (SC1203-LCD)	AU
	QCNW-B194WJZZ	J	Extension Cable, 12-pin (P701-P3701)	AU

PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKCA711WJZZ	–	Packing Case	—
	SPAKFA258WJZZ	–	Buffer Material(Accessories)	—
	SPAKPA209WJZZ	–	Wrapping Paper	—
	SPAKXA220WJZZ	–	Buffer Material	—
	SSAKA0160CEZZ	–	Polyethylene Bag	—
	TLABK0001TAZZ	–	Carton Label	—

PACKING OF THE SET



★Not Replacement Item

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TQ1563-S
Jun. 2003 Printed in Japan

Design and Production Information
Design : Japan
Production : Japan

MI. KG

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Quality & Reliability Control Center
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